# OP \$390.00 3710918

# TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM695278

NATURE OF CONVEYANCE: RELEASE OF SECURITY INTEREST

# **CONVEYING PARTY DATA**

Name	Formerly	Execution Date	Entity Type
AMERICAN STOCK TRANSFER & TRUST COMPANY, LLC d/b/a AST Trust Company (Canada)		12/01/2021	Limited Liability Company: CANADA

# **RECEIVING PARTY DATA**

Name:	ECOBEE, INC.	
Street Address:	250 University Ave, Suite 400	
City:	Toronto, Ontario	
State/Country:	CANADA	
Postal Code:	M5H 3E5	
Entity Type:	Corporation: CANADA	

# **PROPERTY NUMBERS Total: 15**

Property Type	Number	Word Mark
Registration Number:	3710918	ECOBEE
Registration Number:	4159889	GREEN MADE EASY
Registration Number:	4201387	ECOBEE EMS
Registration Number:	4212997	ECOBEE SMART THERMOSTAT
Registration Number:	4451834	ECOBEE SMART
Registration Number:	4797795	FOR HOMES WITH MORE THAN ONE ROOM
Registration Number:	5509131	DONATE YOUR DATA
Registration Number:	5778367	ECOBEE3 LITE
Registration Number:	4757295	ECOBEE3
Serial Number:	87790509	ECOBEE SWITCH+
Serial Number:	87591544	WHOLE HOME VOICE
Serial Number:	87790524	SWITCH+
Serial Number:	87359580	ECOBEE4
Serial Number:	88845798	ECOBEE HAVEN
Serial Number:	87359562	

# **CORRESPONDENCE DATA**

TRADEMARK REEL: 007532 FRAME: 0309

900663181

**Fax Number:** 6127661600

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 6127667000

**Email:** erin.theroux@faegredrinker.com

Correspondent Name: Robert B. Leonard

Address Line 1: FAEGRE DRINKER BIDDLE & REATH LLP

Address Line 2: 2200 WELLS FARGO CENTER 90 S. SEVENTH ST

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	508458.5
NAME OF SUBMITTER:	Erin N. Theroux
SIGNATURE:	/Erin N. Theroux/
DATE SIGNED:	12/16/2021

### **Total Attachments: 152**

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# RELEASE OF LIEN (USPTO)

WHEREAS, pursuant to a Note Purchase Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "NPA"), ecobee Inc., a Canadian corporation, (the "Debtor") issued secured convertible promissory notes (the "Notes") to certain lenders (the "Lenders").

AND WHEREAS pursuant to the NPA, ecobee Ltd., a Nevada corporation (the "Guarantor") entered into a Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "Security Agreement", and together with the NPA and the Notes, the "Loan Documents") in favour of AMERICAN STOCK TRANSFER & TRUST COMPANY, LLC, as collateral agent (the "Collateral Agent") for and on behalf of the Lenders (referred to therein as the 'Investors') and granted a security interest in favour of the Collateral Agent for the benefit of the Lenders with respect to the Guarantor's interests in certain Collateral, including the Intellectual Property listed in Exhibit A attached hereto (the "Intellectual Property Collateral"), as security for its obligations to the Lenders under the NPA and the Notes.

AND WHEREAS capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

AND WHEREAS, the Loan Documents were recorded in the U.S. Patent and Trademark Office on May 19, 2020, at Reel 6942 Frame 0280;

AND WHEREAS the Lenders and the Collateral Agent wish to release all of their interest in and to the Intellectual Property Collateral;

NOW THEREFORE, in consideration of the foregoing, and other good and valuable consideration, the receipt and adequacy of which are acknowledged, the Collateral Agent:

- 1. confirms that it has not assigned or otherwise disposed of its interest in and to the Intellectual Property Collateral;
- 2. hereby releases and discharges its full interest in and to the Intellectual Property Collateral, and the Loan Documents are hereby terminated and rendered null, void and without any further force or effect, provided that the indemnification provisions set forth in any Financing Documents will, subject to the terms thereof, continue to apply and be enforceable by the Collateral Agent in respect of its execution and delivery of this Release and Discharge of Security Interest and the other instruments and agreements provided for herein, and all actions or claims based upon any of the foregoing, and the Collateral Agent reserves the right to enforce, in respect of such execution, delivery, actions or claims, each and all of the indemnities enforceable by it under the applicable Financing Documents; and
- 3. agrees, at the sole cost and expense of the Debtor, to take such further actions and to execute and deliver such further documents as the Debtor may reasonably request to

effect and evidence this Release of Lien, including, without limitation, the execution and delivery of any filings, statements, amendments, recordations or other instruments required to maintain the applications or registrations of the Intellectual Property Collateral and record the chain of title accordingly with the U.S. Patent and Trademark Office.

[signature page follows]

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WSLEGAL\078736\00015\29077326v1

# Exhibit "A"

# Patents and Trademarks



79 Wellington St. W., 30th Floor Box 270, TD South Tower Toronto, Ontario M5K 1N2 Canada P. 416.865.0040 | F. 416.865.7380 www.torys.com

May 19, 2020

# VIA FACSIMILE (1-819-953-2476)

Commissioner of Patents Canadian Intellectual Property Office Place du Portage 1 50 Victoria Street, Room C-114 Gatineau, QC K1A oC9

Dear Commissioner:

Re: Submission of Notice of Security Interest for Registration

for 4 Canadian Industrial Designs

Applicant: Ecobee Inc. Our Ref: 41252-0001

# SUBMISSION OF SECURITY AGREEMENT FOR REGISTRATION

Please record the enclosed Notice of Security Interest in Intellectual Property dated May 5, 2020 against the following four (3) Canadian industrial design registrations and one (1) industrial design application, as listed in Schedule "A" to the Notice of Security Interest in Intellectual Property, with **Ecobee Inc.**, as Debtor, and **AST Trust Company (Canada)**, as Collateral Agent.

Application No.	Title	Filed	Status
176743	Thermostat device with trim plate	31-Aug-2017	Issued
177893	Switch with trim plate	27-Oct-2017	Issued
181086	Switch with trim plate	27-Apr-2018	Issued
188481	Remote sensor device	27-Jun-2019	Pending

We advise that the addresses for the parties are as follows:

# **Ecobee Inc.**

29783794.1

250 University Ave, Suite 400 Toronto, Ontario M5H 3E5 Canada

AST Trust Company (Canada)

1 Toronto Street, Suite 1200 Toronto, Ontario M5C 2V6 Canada

Please charge the registration fee of **\$400.00** to undersigned agent's authorized credit card. In the event of an underpayment or a problem with the credit card, we authorize the Commissioner to charge our deposit account no. 600000901.

Should the fees submitted with this letter be insufficient to cover all of the fees for which payment is explicitly or implicitly requested by this letter and enclosed documents, the Commissioner is authorized and requested to charge the amount of the insufficiency to deposit account no. 600000901 or the authorized credit card of the undersigned agent already on file.

We look forward to receiving confirmation that the above-referenced Notice of Security Interest in Intellectual Property has been recorded against the Canadian industrial designs listed in Schedule "A" to the Notice of Security Interest in Intellectual Property.

Please direct questions relating to this matter to Edward Fan at 416-865-8244.

Yours truly,

TORYS LLP

- lorgs we

Tel (416) 865-8244 efan@torys.com

EF/JK Encl.

29783794.1

# NOTICE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS the undersigned (the "Debtor"), is the owner of the registered intellectual property set forth on Schedule A attached hereto (collectively, the "Intellectual Property");

**AND WHEREAS** pursuant to a Note Purchase Agreement dated as of the date hereof (as amended, supplemented, restated or otherwise modified from time to time, the "**NPA**"), the Debtor has issued secured convertible promissory notes (the "**Notes**") to the Investors.

AND WHEREAS pursuant to the NPA, the Debtor has entered into a General Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "GSA") in favour of AST TRUST COMPANY (CANADA), as collateral agent (the "Agent") in favour of the Investors and granted a security interest in favour of the Agent with respect to the Debtor's interests in the Intellectual Property, among other collateral, as security for its obligations to the Investors under the NPA and the Notes.

**AND WHEREAS** capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in accordance with the terms and obligations set forth in the Security Documents, the Debtor hereby confirms the granting of a security interest and lien in the Intellectual Property to the Agent.

**THE DEBTOR** hereby certifies that the aforementioned information as it relates to the Debtor is true and accurate.

[Signature Page Follows]

Notice of Security Interest in Intellectual Property (Note Purchase Agreement)

2

**DATED**: May 5, 2020

ECOBEE INC.

By:

-----Docusigned by: Stuart Lombard

Name: 55th art Lombard

Title: Chief Executive Officer

I have the authority to bind the company.

**REEL: 007532 FRAME: 0321** 

# SCHEDULE A

# INTELLECTUAL PROPERTY

# TRADEMARKS - Canada

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09	ECOBEE INC.
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09	ECOBEE INC.
DATARHYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15	ECOBEE INC.
DATARHYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15	ECOBEE INC.
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15	ECOBEE INC.
ECOBEE3	10-Apr-14	1672336	TMA969873	3-May-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	1-May-15	ECOBEE INC.
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19	ECOBEE INC.
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20	ECOBEE INC.
ECOBEE4	10-Feb-17	1822350	TMA1064338	2019-11-26	ECOBEE INC.
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19	ECOBEE INC.
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A	ECOBEE INC.
SWITCH+	5-Feb-18	1881441	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	5-Feb-18	1881442	TMA1018537	2-Apr-19	ECOBEE INC.
E (design)	9-Mar-20	2016327	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	9-Mar-20	2016328	N/A	N/A	ECOBEE INC.
ECOBEE logo	9-Mar-20	2016330	N/A	N/A	ECOBEE INC.

# TRADEMARKS - U.S.A.

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
GREEN MADE EASY	22-Nov-10	85/182,334	4,159,889	19-Jun-12	ECOBEE INC.
ECOBEE	6-Feb-08	77/390,082	3,710,918	17-Nov-09	ECOBEE INC.
ECOBEE (and Design)	6-Feb-08	77/390,141	3,795,396	1-Jun-10	ECOBEE INC.
DATARHYTHM	29-Aug-12	85/715922	4,585,057	12 Aug-15	ECOBEE INC.
ECOBEE SMART THERMOSTAT	8-Dec-11	85/490282	4,212,997	25-Sept-12	ECOBEE INC.
ECOBEE SMART	8-Dec-11	85/490252	4,451,834	17-Dec-13	ECOBEE INC.
ECOBEE EMS	8-Apr-11	85/490325	4201387	4-Sept-12	ECOBEE INC.
ECOBEE3	10-Apr-14	86/249171	4,757,295	16-Jun-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	9-Jul-15	86/249173	4,797,795	25-Aug-15	ECOBEE INC.
DONATE YOUR DATA	3-Jul-16	87/180894	5,509,131	3-Jul-18	ECOBEE INC.
ECOBEE3 LITE	6-Mar-17	87360243	5,778,367	18-Jun-19	ECOBEE INC.
ECOBEE4	6-Mar-17	87/359580	N/A	N/A	ECOBEE INC.
SWITCH+	8-Feb-18	87/790524	N/A	N/A	ECOBEE INC.
WHOLE HOME VOICE	31-Aug-17	87/591544	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	8-FEB-18	87/790509	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	24-MAR-20	88/845798	N/A	N/A	ECOBEE INC.
Bee logo (Design)	6-Mar-17	87/359562	5,296,228	26-Sep-17	ECOBEE INC.

Notice of Security Interest in Intellectual Property

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COPYRIGHTS

None.

# **PATENTS**

# PATENTS - CANADA

# Design

D1507CA00	D1459CA00	D1389CA00	D1387CA00	
CANADA	CANADA	CANADA	CANADA	Country
2019-06-27	2018-04-27	2017-10-27	2017-08-31	Application Date
REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	Title Text
188481	181086	177893	176743	Application Number
	181086	177893	176743	Registration Number
	2019-04-23	2019-04-23	2018-07-05	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	Status

# **Patent**

Pé	Pe	PCI
P6912CA00	P6163CA00	PCK Reference
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CANADA	CANADA	Country
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21	21	Λpp
2019-11-08	2017-10-02	Application Date
08	02	Date
COM DE' CO	DE' DE' C PR SO:	
COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	Title Text
AZED VITH B ND ND	S. ALE DED LED LED LED LED LED LED LED LED L	×
3063045	2981023	Application Number
5	ω	ion T
		R
		Registration Number
		Ton
		Reg
		Registration Date
		n Date
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PENDING	ANNUITY DEADLINE	Status
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### PCK Reference P7614CA00 P7565CA00 P7207CA00 P7163CA00 P7564CA00 P7562CA00 CANADA CANADA CANADA CANADA CANADA CANADA Country Application Date 2019-04-05 2019-03-19 2019-03-19 2019-03-19 2018-09-24 2018-08-24 HVAC FAN COIL HVAC SIGNALING OVER A TWO-TEMPERATURE SENSING WITH SENSING SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT **SCHEDULING** INTEGRATED CONNECTION DEVICE FOR DETECTOR VACATION CONTROL Title Text CABLE UNITS WIRE MODE LEAK Application Number 3039300 3037170 3037177 3018288 3015330 3037165 Registration Number

PATENTS - U.S.A.

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ANNUITY DEADLINE Registration Date

Status

# Design

D1574US00	D1516US00	D1512US00	D1507US00	D1389US02	D1389US01	D1387US01	D1387US00	D1194US00	
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2020-01-10	2019-02-28	2019-02-13	2018-12-31	2019-05-23	2018-03-21	2018-09-21	2017-04-07	2013-10-22	Application Date
CONTACT SENSORS FOR DOORS AND WINDOWS	SWITCH WITH TRIM PLATE	CAMERA DEVICE AND STAND	REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	THERMOSTAT DEVICE	THERMOSTAT DEVICE WITH LOW PROFILE TRIM PLATE	Title Text
29/720269	29/681876	29/680117	29/675346	29/692228	29/641301	29/664127	29/599864	29/470529	Application Number
							D833893	D734178	Registration Number
							2018-11-20	2015-07-14	Registration Date
CONVENTION DEADLINE	ISSUED	PENDING	DECS/ASSIGNME NTS TO BE FILED	RESPONSE TO OA	ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

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P6163US02	P6163US01	P6163US00	P3396US00	P3213US00	P3212US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-07-22	2018-01-24	2016-10-13	2012-01-10	2011-07-11	2011-07-11	Application Date
CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	CONTROL DEVICE WITH BULK HEATING COMPENSATION	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	HVAC CONTROLLER WITH DEVICE SCHEDULING PROGRAM	HVAC CONTROLLER WITH DYNAMIC TEMPERATURE COMPENSATION	HVAC CONTROLLER WITH PREDICTIVE SET-POINT CONTROL	Title Fext
16/518102	15/878977	15/292648	13/347105	13/179912	13/179770	Application Number
		10215432	8965585	9016593	9696052	Registration Number
		2019-02-26	2015-02-24	2015-04-28	2017-07-04	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0328

# WSLEGAL\078736\00010\24634672v2

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P7565US01	P7564US01	P7562US01	P7207US01	P7207US01	P7163US01	P6912US01	P6912US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-09-24	2018-08-24	2019-04-23	2017-05-10	Application Date
SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	Title Text
16/357989	16/357912	16/357762	16/139548	16/139548	16/111384	16/391406	15/591188	Application Number
							10311870	Registration Number
							2019-06-04	Registration Date
FINAL FEE DEADLINE	RESPONSE TO FINAL OA (2-MONTH DEADLINE)	PENDING	RESPONSE TO OA	DECS/TO BE FILED	RESPONSE TO OA	FINAL FEE DEADLINE	ISSUED	Status

Notice of Security Interest in Intellectual Property

P8344US02	P8344US01	P8344US00	P8343US00	P7614US01	P7565US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	е Совину
2016-08-10	2016-02-09	2015-11-23	2008-06-09	2019-04-05	2019-03-19	Application Date
DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	SYSTEM AND METHOD TO ROUTE AIRFLOW USING DYNAMICALLY CHANGING DUCTS	CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	Title Text
15/233366	15/018943	14/948674	12/135239	16/376029	16/357989	Application Number
9909772	9473321	10250403	9008844			Registration Number
2018-03-06	2016-10-18	2019-04-02	2015-04-14			Registration Date
ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	DECS/ASSIGNME NTS TO BE FILED	DECLARATION/ ASSIGNMENT TO BE FILED	Status

PCK Reference	Country	Application Date	Title Text	Application Number	Registration Number	Registration Date	Status
P8344US03	UNITED STATES	2017-08-14	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	15/675819	10072866	2018-09-11	
P8344US04	UNITED STATES	2019-02-28	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	16/289051			RESPONSE TO OA
P8345US00	UNITED STATES	2012-08-01	MULTI- DIMENSIONAL HEATING AND COOLING SYSTEM	13/564006	9152154	2015-10-06	
P8346US00	UNITED STATES	2012-07-02	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	13/540012	9161419	2015-10-13	ISSUED
P8346US01	UNITED STATES	2015-08-06	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	14/819555	9854645	2117-12-26	ISSUED
P8348US00	UNITED STATES	2013-01-30	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	13/754824	9196103	2015-11-24	Danssi
P8348US01	UNITED STATES	2015-10-21	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	14/918882	9982472	2018-05-29	ISSUED

TRADEMARK REEL: 007532 FRAME: 0332

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P8356US01	P8356US00		P8349US00	P8348US02	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-01-25	2012-11-13	2012-09-06	2012-04-13	2018-03-08	Application Date
AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	Title Text
13/675429	13/675429	13/604678	13/446172	15/915924	Application Number
9041812	9041812	8732270	8872638	10309145	Registration Number
2015-11-17	2015-05-26	2014-05-20	2014-10-28	2019-06-04	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

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P8367US00	P8366US00	P8362US00	P8359US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2014-09-30	2009-05-27	2005-10-24	2009-11-20	Application Date
REMOTE OBJECT SENSING IN VIDEO	MONITORING PATTERNS OF MOTION	SYSTEM, METHOD AND PROGRAM PRODUCT FOR HOUSE AUTOMATION	SYSTEM FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, METHOD FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, ASSISTING DEVICE, AND COMPULITER PROGRAM	Title Text
14/502110	12/473181	11/257290	12/622455	Application Number
9270940	8081082	7308321	8516499	Registration Number
2016-02-23	2011-12-20	2007-12-11	2013-08-20	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

P8375US02	P8375US01	P8375US00	P8368US01	P8368US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2017-03-22	2013-01-25	2012-11-13	2008-06-04	2006-06-16	Application Date
DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	Title Text
15/465756	13/751013	13/675348	12/132890	11/455210	Application Number
	9681104	9681103	8134457	7468662	Registration Number
	2017-06-13	2017-06-13	2012-03-13	2008-12-23	Registration Date
PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8378US02	P8378US01	P8378US00	P8377US01	P8377US00	P8376US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-05-04	2016-05-04	2014-05-22	2008-07-24	2007-12-10	2009-04-08	Application Date
IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	NOTIFYING USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	NOTIFYING USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	GROUP AWARE TRACKING OF PERSONAL PROPERTY WITHIN A BOUNDED ZONE	Title Text
15/146330	15/146378	14/284581	12/179147	11/953554	12/420652	Application Number
9984590	9978290	9355547	7791472	7432805	8164443	Registration Number
2018-05-29	2018-05-22	2016-05-31	2010-09-07	2008-10-07	2012-04-24	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

P8408US00	P8407US00	P8405US01	P8405US00	P8404US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-11-14	2004-06-02	2016-05-12	2015-12-30	2012-10-08	Application Date
DYNAMIC TEMPERATURE CONTROL FOR A ROOM CONTAINING A GROUP OF PEOPLE	METHOD AND APPARATUS FOR REMOTE COMMAND, CONTROL AND DIAGNOSTICS OF SYSTEMS USING CONVERSATION AL OR AUDIO INTERFACE	PRO-ACTIVE BUILDING PROTECTION SYSTEM	PRO-ACTIVE BUILDING PROTECTION SYSTEM	MONITORING USER POSITION TO DETERMINE A TIME FOR PROVIDING A SPECIFIED STATE AT A USER PREMISES	Title Fest
13/676545	10/858083	15/152606	14/985068	13/647234	Application Number
9465392	8224649	9483933	9382747	9377791	Registration Number
2016-10-11	2012-07-17	2016-11-01	2016-07-05	2016-06-28	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8412US00 UNITI	P8411US01 UNITI	P8411US00 UNITI	P8410US00 UNITI	P8409US01 UNITI	P8409US00 UNITI	PCK Reference C
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-03-14	2016-11-11	2016-03-14	2009-03-12	2012-09-14	2006-02-07	Application Date
INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	INTELLIGENT THERMOSTAT CONTROL SYSTEM	INTELLIGENT THERMOSTAT CONTROL SYSTEM	VIDEO PATTERN RECOGNITION FOR AUTOMATING EMERGENCY SERVICE INCIDENT AWARENESS AND RESPONSE	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	File Text
13/826419	15/349114	15/068921	12/402626	13/620042	11/348902	Application Number
9599973	9772115	9574786	8368754	8724811	8325923	Registration Number
2017-03-21	2017-09-26	2017-02-21	2013-02-05	2014-05-13	2012-12-04	Registration Date
ANNUITY DEADLINE	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0337

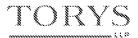
P8417US00	P8416US00	P8414US01	P8413US00	P8412US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-10-26	2016-04-28	2005-07-28	2016-09-21	2013-08-20	Application Date
AUTOMATED NOTIFICATION MUTING RESPONSIVE TO PREDICTED LOCATION	FINE TUNING APPLICATION BEHAVIOR USING APPLICATION ZONES	SYSTEM AND METHOD FOR ALARM GENERATION BASED ON THE DETECTION OF THE PRESENCE OF A PERSON	SURVEILLANCE DETECTION BASED ON AN IDENTIFICATIO N OF A CARRIED MOBILE DEVICE	INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	Fitte Text
15/334330	15/141606	11/495334	15/271362	13/971251	Application Number
9756607	9733996	7554444	9693181	9733630	Registration Number
2017-09-05	2017-08-15	2009-06-30	2017-06-27	2017-08-15	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	Status

P8421US01	P8421US00	P8419US01	P8419US00	P8418US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-08-16	2007-01-11	2017-10-03	2016-10-24	2011-02-28	Application Date
AMBIENT PRESENTATION OF SURVEILLANCE DATA	AMBIENT PRESENTATION OF SURVEILLANCE DATA	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	MANAGING EMERGENCY RESPONSE SERVICES USING MOBILE COMMUNICATI ON DEVICES	Title Text
13/587038	11/622132	15/723468	15/332501	13/036612	Application Number
8860812	8704893	10055569	9811653	8576066	Registration Number
2014-10-14	2014-04-22	2018-08-21	2017-11-07	2013-11-05	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

P8425US00	P8424US00	P8423US00	P8422US00	PCK Reference
SELVES GELINN	SELVES CELINN	UNITED STATES	UNITED STATES	Country
2006-06-30	2012-01-11	2011-03-21	2012-07-31	Application Date
APPARATUS AND METHOD FOR MEASURING THE ACCURATE POSITION OF MOVING OBJECTS IN AN INDOOR ENVIRONMENT	MANAGING ENVIRONMENT AL CONTROL SYSTEM EFFICIENCY	CONTROLLING AND MINIMIZING ELECTRICAL POWER CONSUMED BY ELECTRICAL COMPONENTS CONNECTED TO A NETWORKED COMPUTING ENVIRONMENT	METHOD FOR ON-DEMAND ENERGY SAVINGS BY LOWERING POWER USAGE OF AT LEAST ONE STORAGE DEVICE IN A MULTI-TIERED STORAGE SYSTEM	Title Text
11/428019	13/348347	13/052754	13/562626	Application Number
7761233	9024765	8738943	8700932	Registration Number
2010-07-20	2015-05-05	2014-05-27	2014-04-14	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

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P9481US00	P8898US00	P8430US01	P8430US00	P8429US01	P8429US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	SELVLS GELINN	Сониту
2020-03-26	2019-09-09	2009-11-06	2007-01-30	2013-01-25	2012-11-13	Application Date
THERMOSTAT DEVICE WITH IMPROVED ENERGY OPTIMIZATION	LIGHT SWITCH SYSTEM	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	Title Text
62/994937	62/897466	12/613758	11/668604	13/751023	13/675391	Application Number
		8805613	8762060	9071807	8934754	Registration Number
		2014-08-12	2014-06-24	2015-06-30	2015-01-13	Registration Date
	CONVENTION DEADLINE	ISSUED	ISSUED	ISSUED	ISSUED	Status



79 Wellington St. W., 30th Floor Box 270, TD South Tower Toronto, Ontario M5K 1N2 Canada P. 416.865.0040 | F. 416.865.7380 www.torys.com

May 19, 2020

# VIA ONLINE

Commissioner of Patents Canadian Intellectual Property Office Place du Portage 1 50 Victoria Street, Room C-114 Gatineau, QC K1A oC9

Dear Commissioner:

Re: Submission of Notice of Security Interest for Registration

for 8 Canadian Patent Applications

Applicant: Ecobee Inc.
Our Ref: 41252-0001

# SUBMISSION OF SECURITY AGREEMENT FOR REGISTRATION

Please record the enclosed Notice of Security Interest in Intellectual Property dated May 5, 2020 against the following eight (8) Canadian patent applications, as listed in Schedule "A" to the Notice of Security Interest in Intellectual Property, with **Ecobee Inc.**, as Debtor, and **AST Trust Company (Canada)**, as Collateral Agent.

Application No.	Title	Filed	Status
2981023	Control device with current protected solid state relays	2017-10-02	Pending
3063045	Computerized device with voice command input capability	2019-11-08	Pending
3015330	Hvac signaling over a two-wire connection	2018-08-24	Pending
3018288	Leak detector with sensing cable	2018-09-24	Pending
3037165	Smart light switch with temperature sensing	2019-03-19	Pending
3037177	Smart light switch with integrated scheduling	2019-03-19	Pending
3037170	Smart light switch with vacation mode	2019-03-19	Pending
3039300	Control device for hvac fan coil units	2019-04-05	Pending

We advise that the addresses for the parties are as follows:

### Ecobee Inc.

250 University Ave, Suite 400 Toronto, Ontario M5H 3E5 Canada

# **AST Trust Company (Canada)**

1 Toronto Street, Suite 1200 Toronto, Ontario M5C 2V6 Canada

Please charge the registration fee of **\$800.00** to undersigned agent's authorized credit card. In the event of an underpayment or a problem with the credit card, we authorize the Commissioner to charge our deposit account no. 600000901.

Should the fees submitted with this letter be insufficient to cover all of the fees for which payment is explicitly or implicitly requested by this letter and enclosed documents, the Commissioner is authorized and requested to charge the amount of the insufficiency to deposit account no. 600000901 or the authorized credit card of the undersigned agent already on file.

We look forward to receiving confirmation that the above-referenced Notice of Security Interest in Intellectual Property has been recorded against the Canadian patent applications listed in Schedule "A" to the Notice of Security Interest in Intellectual Property.

Please direct questions relating to this matter to Edward Fan at 416-865-8244.

Yours truly,

TORYS LLP

Tel (416) 865-8244 efan@torys.com

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EF/JK Encl.

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79 Wellington St. W., 30th Floor Box 270, TD South Tower Toronto, Ontario M5K 1N2 Canada P. 416.865.0040 | F. 416.865.7380 www.torys.com

May 19, 2020

# VIA FACSIMILE (1-819-953-2476)

Office of the Registrar of Trademarks Canadian Intellectual Property Office Place du Portage 1 50 Victoria Street, Room C-114 Gatineau, QC K1A oC9

Dear Sirs/Mesdames:

Re: SUBMISSION OF NOTICE OF SECURITY INTEREST FOR

REGISTRATION

Trademarks: TMA754845 (ECOBEE & Design) & 16 others

Owner: Ecobee Inc. Our Ref: 41252-0001

# SUBMISSION OF NOTICE OF SECURITY INTEREST FOR REGISTRATION

Please record the enclosed **Notice of Security Interest in Intellectual Property** dated May 5, 2020 against the following twelve (12) Canadian trademark registrations and five (5) Canadian trademark applications, as listed in Schedule "A" to the Notice of Security Interest in Intellectual Property, with **Ecobee Inc.**, as Debtor, and **AST Trust Company (Canada)**, as Collateral Agent.

Mark	Filing Date	App. No.	Reg. No.	Reg. Date
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09
DATARYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15
DATARYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15
ECOBEE3	10-Apr-14	1672336	TMA969873	03-May-15
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	01-May-15
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20
ECOBEE4	10-Feb-17	1822350	TMA1064338	26-Nov-19

Mark	Filing Date	App. No.	Reg. No.	Reg. Date
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A
SWITCH+	05-Feb-18	1881441	N/A	N/A
ECOBEE SWITCH+	05-Feb-18	1881442	TMA1018537	02-Apr-19
E (design)	09-Mar-20	2016327	N/A	N/A
ECOBEE HAVEN	09-Mar-20	2016328	N/A	N/A
ECOBEE logo	09-Mar-20	2016330	N/A	N/A

We advise that the addresses for the parties are as follows:

#### **Ecobee Inc.**

250 University Ave, Suite 400 Toronto, Ontario M5H 3E5 Canada

#### **AST Trust Company (Canada)**

1 Toronto Street, Suite 1200 Toronto, Ontario M<sub>5</sub>C 2V6 Canada

We request that, following the recordal of the document, the current agent for the owner of each trademark or trademark application is to remain as the trademark agent for the owner of the above-referenced trademarks/trademark applications.

We look forward to receiving confirmation that the above-referenced Notice of Security Interest in Intellectual Property has been recorded against the trademarks/trademark applications listed in Schedule "A" to the Notice of Security Interest in Intellectual Property.

Please direct questions relating to this matter to Edward Fan at 416-865-8244.

Yours truly,

TORYS LLP

Tel (416) 865-8244 efan@torys.com

EF/JK Encl.

#### NOTICE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS the undersigned (the "Debtor"), is the owner of the registered intellectual property set forth on Schedule A attached hereto (collectively, the "Intellectual Property");

**AND WHEREAS** pursuant to a Note Purchase Agreement dated as of the date hereof (as amended, supplemented, restated or otherwise modified from time to time, the "**NPA**"), the Debtor has issued secured convertible promissory notes (the "**Notes**") to the Investors.

AND WHEREAS pursuant to the NPA, the Debtor has entered into a General Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "GSA") in favour of AST TRUST COMPANY (CANADA), as collateral agent (the "Agent") in favour of the Investors and granted a security interest in favour of the Agent with respect to the Debtor's interests in the Intellectual Property, among other collateral, as security for its obligations to the Investors under the NPA and the Notes.

**AND WHEREAS** capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in accordance with the terms and obligations set forth in the Security Documents, the Debtor hereby confirms the granting of a security interest and lien in the Intellectual Property to the Agent.

**THE DEBTOR** hereby certifies that the aforementioned information as it relates to the Debtor is true and accurate.

[Signature Page Follows]

Notice of Security Interest in Intellectual Property (Note Purchase Agreement)

2

**DATED**: May 5, 2020

ECOBEE INC.

By:

Stuart Lombard

Name: 55tuart Lombard

Title: Chief Executive Officer

I have the authority to bind the company.

**REEL: 007532 FRAME: 0347** 

## SCHEDULE A

# INTELLECTUAL PROPERTY

# TRADEMARKS - Canada

TRADEMARK **REEL: 007532 FRAME: 0348** 

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09	ECOBEE INC.
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09	ECOBEE INC.
DATARHYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15	ECOBEE INC.
DATARHYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15	ECOBEE INC.
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15	ECOBEE INC.
ECOBEE3	10-Apr-14	1672336	TMA969873	3-May-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	1-May-15	ECOBEE INC.
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19	ECOBEE INC.
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20	ECOBEE INC.
ECOBEE4	10-Feb-17	1822350	TMA1064338	2019-11-26	ECOBEE INC.
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19	ECOBEE INC.
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A	ECOBEE INC.
SWITCH+	5-Feb-18	1881441	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	5-Feb-18	1881442	TMA1018537	2-Apr-19	ECOBEE INC.
E (design)	9-Mar-20	2016327	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	9-Mar-20	2016328	N/A	N/A	ECOBEE INC.
ECOBEE logo	9-Mar-20	2016330	N/A	N/A	ECOBEE INC.

## TRADEMARKS – U.S.A.

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
GREEN MADE EASY	22-Nov-10	85/182,334	4,159,889	19-Jun-12	ECOBEE INC.
ECOBEE	6-Feb-08	77/390,082	3,710,918	17-Nov-09	ECOBEE INC.
ECOBEE (and Design)	6-Feb-08	77/390,141	3,795,396	1-Jun-10	ECOBEE INC.
DATARHYTHM	29-Aug-12	85/715922	4,585,057	12 Aug-15	ECOBEE INC.
ECOBEE SMART THERMOSTAT	8-Dec-11	85/490282	4,212,997	25-Sept-12	ECOBEE INC.
ECOBEE SMART	8-Dec-11	85/490252	4,451,834	17-Dec-13	ECOBEE INC.
ECOBEE EMS	8-Apr-11	85/490325	4201387	4-Sept-12	ECOBEE INC.
ECOBEE3	10-Apr-14	86/249171	4,757,295	16-Jun-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	9-Jul-15	86/249173	4,797,795	25-Aug-15	ECOBEE INC.
DONATE YOUR DATA	3-Jul-16	87/180894	5,509,131	3-Jul-18	ECOBEE INC.
ECOBEE3 LITE	6-Mar-17	87360243	5,778,367	18-Jun-19	ECOBEE INC.
ECOBEE4	6-Mar-17	87/359580	N/A	N/A	ECOBEE INC.
SWITCH+	8-Feb-18	87/790524	N/A	N/A	ECOBEE INC.
WHOLE HOME VOICE	31-Aug-17	87/591544	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	8-FEB-18	87/790509	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	24-MAR-20	88/845798	N/A	N/A	ECOBEE INC.
Bee logo (Design)	6-Mar-17	87/359562	5,296,228	26-Sep-17	ECOBEE INC.

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None.

## **PATENTS**

## PATENTS - CANADA

### Design

D1507CA00	D1459CA00	D1389CA00	D1387CA00	
CANADA	CANADA	CANADA	CANADA	Country
2019-06-27	2018-04-27	2017-10-27	2017-08-31	Application Date
REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	Title Text
188481	181086	177893	176743	Application Number
	181086	177893	176743	Registration Number
	2019-04-23	2019-04-23	2018-07-05	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	Status

### **Patent**

P6912CA00	P6163CA00	PCK Reference
CANADA	CANADA	Country
2019-11-08	2017-10-02	Application Date
COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	Title Text
3063045	2981023	Application Number
		Registration Number
		Registration Date
PENDING	ANNUITY DEADLINE	Status

#### PCK Reference P7614CA00 P7565CA00 P7207CA00 P7163CA00 P7564CA00 P7562CA00 CANADA CANADA CANADA CANADA CANADA CANADA Country Application Date 2019-04-05 2019-03-19 2019-03-19 2019-03-19 2018-09-24 2018-08-24 HVAC FAN COIL HVAC SIGNALING OVER A TWO-TEMPERATURE SENSING WITH SENSING SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT **SCHEDULING** INTEGRATED CONNECTION DEVICE FOR DETECTOR VACATION CONTROL Title Text CABLE UNITS WIRE MODE LEAK Application Number 3039300 3037170 3037177 3018288 3015330 3037165 Registration Number Registration Date ANNUITY DEADLINE DEADLINE ANNUITY PENDING PENDING PENDING PENDING Status

PATENTS - U.S.A.

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### Design

D1574US00	D1516US00	D1512US00	D1507US00	D1389US02	D1389US01	D1387US01	D1387US00	D1194US00	
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2020-01-10	2019-02-28	2019-02-13	2018-12-31	2019-05-23	2018-03-21	2018-09-21	2017-04-07	2013-10-22	Application Date
CONTACT SENSORS FOR DOORS AND WINDOWS	SWITCH WITH TRIM PLATE	CAMERA DEVICE AND STAND	REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	THERMOSTAT DEVICE	THERMOSTAT DEVICE WITH LOW PROFILE TRIM PLATE	Title Text
29/720269	29/681876	29/680117	29/675346	29/692228	29/641301	29/664127	29/599864	29/470529	Application Number
							D833893	D734178	Registration Number
							2018-11-20	2015-07-14	Registration Date
CONVENTION DEADLINE	ISSUED	PENDING	DECS/ASSIGNME NTS TO BE FILED	RESPONSE TO OA	ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

### **Patent**

P6163US02	P6163US01	P6163US00	P3396US00	P3213US00	P3212US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-07-22	2018-01-24	2016-10-13	2012-01-10	2011-07-11	2011-07-11	Application Date
CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	CONTROL DEVICE WITH BULK HEATING COMPENSATION	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	HVAC CONTROLLER WITH DEVICE SCHEDULING PROGRAM	HVAC CONTROLLER WITH DYNAMIC TEMPERATURE COMPENSATION	HVAC CONTROLLER WITH PREDICTIVE SET-POINT CONTROL	Title Text
16/518102	15/878977	15/292648	13/347105	13/179912	13/179770	Application Number
		10215432	8965585	9016593	9696052	Registration Number
		2019-02-26	2015-02-24	2015-04-28	2017-07-04	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0354

P7565US01	P7564US01	P7562US01	P7207US01	P7207US01	P7163US01	P6912US01	P6912US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-09-24	2018-08-24	2019-04-23	2017-05-10	Application Date
SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	Title Text
16/357989	16/357912	16/357762	16/139548	16/139548	16/111384	16/391406	15/591188	Application Number
							10311870	Registration Number
							2019-06-04	Registration Date
FINAL FEE DEADLINE	RESPONSE TO FINAL OA (2-MONTH DEADLINE)	PENDING	RESPONSE TO OA	DECS/TO BE FILED	RESPONSE TO OA	FINAL FEE DEADLINE	ISSUED	Status

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P8344US02	P8344US01	P8344US00	P8343US00	P7614US01	P7565US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Сонису
2016-08-10	2016-02-09	2015-11-23	2008-06-09	2019-04-05	2019-03-19	Application Date
DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	SYSTEM AND METHOD TO ROUTE AIRFLOW USING DYNAMICALLY CHANGING DUCTS	CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	Title Text
15/233366	15/018943	14/948674	12/135239	16/376029	16/357989	Application Number
9909772	9473321	10250403	9008844			Registration Number
2018-03-06	2016-10-18	2019-04-02	2015-04-14			Registration Date
ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	DECS/ASSIGNME NTS TO BE FILED	DECLARATION/ ASSIGNMENT TO BE FILED	Status

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P8348US01	P8348US00	P8346US01	P8346US00	P8345US00	P8344US04	P8344US03	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2015-10-21	2013-01-30	2015-08-06	2012-07-02	2012-08-01	2019-02-28	2017-08-14	Application Date
ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	MULTI- DIMENSIONAL HEATING AND COOLING SYSTEM	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	Tile Text
14/918882	13/754824	14/819555	13/540012	13/564006	16/289051	15/675819	Application Number
9982472	9196103	9854645	9161419	9152154		10072866	Registration Number
2018-05-29	2015-11-24	2117-12-26	2015-10-13	2015-10-06		2018-09-11	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	RESPONSE TO OA	ISSUED	Status

Notice of Security Interest in Intellectual Property

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PCK Reference	Country	Application Date	Filie Text	Application Number	Registration Number	Registration Date
P8348US02	UNITED STATES	2018-03-08	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	15/915924	10309145	2019-06-04
P8349US00	UNITED STATES	2012-04-13	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	13/446172	8872638	2014-10-28
P8349US01	UNITED STATES	2012-09-06	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	13/604678	8732270	2014-05-20
P8356US00	UNITED STATES	2012-11-13	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	13/675429	9041812	2015-05-26
P8356US01	UNITED STATES	2013-01-25	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	13/675429	9041812	2015-11-17

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P8367US00	P8366US00	P8362US00	P8359US00	PCK Reference
US00	US00	US00	US00	Гегенсе
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2014-09-30	2009-05-27	2005-10-24	2009-11-20	Application Date
REMOTE OBJECT SENSING IN VIDEO	MONITORING PATTERNS OF MOTION	SYSTEM, METHOD AND PROGRAM PRODUCT FOR HOUSE AUTOMATION	SYSTEM FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, METHOD FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, ASSISTING DEVICE, AND COMPUITER PROGRAM	Fitle Text
14/502110	12/473181	11/257290	12/622455	Application Number
9270940	8081082	7308321	8516499	Registration Number
2016-02-23	2011-12-20	2007-12-11	2013-08-20	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

P8375US02	P8375US01	P8375US00	P8368US01	P8368US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2017-03-22	2013-01-25	2012-11-13	2008-06-04	2006-06-16	Application Date
DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	Fitle Text
15/465756	13/751013	13/675348	12/132890	11/455210	Application Number
	9681104	9681103	8134457	7468662	Registration Number
	2017-06-13	2017-06-13	2012-03-13	2008-12-23	Registration Date
PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

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PUK Reference	Country	Application Date	Title Text	Application Number	Registration Number	Registration Date	Status
P8376US00	UNITED STATES	2009-04-08	GROUP AWARE TRACKING OF PERSONAL PROPERTY WITHIN A BOUNDED ZONE	12/420652	8164443	2012-04-24	ISSUED
P8377US00	UNITED STATES	2007-12-10	NOTIFYING USERS OF USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	11/953554	7432805	2008-10-07	ISSUED
P8377US01	UNITED STATES	2008-07-24	NOTIFYING USERS OF USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	12/179147	7791472	2010-09-07	ISSUED
P8378US00	UNITED STATES	2014-05-22	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	14/284581	9355547	2016-05-31	ISSUED
P8378US01	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146378	9978290	2018-05-22	ISSUED
P8378US02	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146330	9984590	2018-05-29	ISSUED

P8408US00	P8407US00	P8405US01	P8405US00	P8404US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Сонигу
2012-11-14	2004-06-02	2016-05-12	2015-12-30	2012-10-08	Application Date
DYNAMIC TEMPERATURE CONTROL FOR A ROOM CONTAINING A GROUP OF PEOPLE	METHOD AND APPARATUS FOR REMOTE COMMAND, CONTROL AND DIAGNOSTICS OF SYSTEMS USING CONVERSATION AL OR AUDIO INTERFACE	PRO-ACTIVE BUILDING PROTECTION SYSTEM	PRO-ACTIVE BUILDING PROTECTION SYSTEM	MONITORING USER POSITION TO DETERMINE A TIME FOR PROVIDING A SPECIFIED STATE AT A USER PREMISES	Fille Text
13/676545	10/858083	15/152606	14/985068	13/647234	Application Number
9465392	8224649	9483933	9382747	9377791	Registration Number
2016-10-11	2012-07-17	2016-11-01	2016-07-05	2016-06-28	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8412US00	P8411US01	P8411US00	P8410US00	P8409US01	P8409US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	e Country
2013-03-14	2016-11-11	2016-03-14	2009-03-12	2012-09-14	2006-02-07	Application Date
INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	INTELLIGENT THERMOSTAT CONTROL SYSTEM	INTELLIGENT THERMOSTAT CONTROL SYSTEM	VIDEO PATTERN RECOGNITION FOR AUTOMATING EMERGENCY SERVICE INCIDENT AWARENESS AND RESPONSE	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	litte Text
13/826419	15/349114	15/068921	12/402626	13/620042	11/348902	Application Number
9599973	9772115	9574786	8368754	8724811	8325923	Registration Number
2017-03-21	2017-09-26	2017-02-21	2013-02-05	2014-05-13	2012-12-04	Registration Date
ANNUITY DEADLINE	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

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P8417US00	P8416US00	P8414US01	P8413US00	P8412US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-10-26	2016-04-28	2005-07-28	2016-09-21	2013-08-20	Application Date
AUTOMATED NOTIFICATION MUTING RESPONSIVE TO PREDICTED LOCATION	FINE TUNING APPLICATION BEHAVIOR USING APPLICATION ZONES	SYSTEM AND METHOD FOR ALARM GENERATION BASED ON THE DETECTION OF THE PRESENCE OF A PERSON	SURVEILLANCE DETECTION BASED ON AN IDENTIFICATIO N OF A CARRIED MOBILE DEVICE	INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	Title Text
15/334330	15/141606	11/495334	15/271362	13/971251	Application Number
9756607	9733996	7554444	9693181	9733630	Registration Number
2017-09-05	2017-08-15	2009-06-30	2017-06-27	2017-08-15	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	Status

P8421US01	P8421US00	P8419US01	P8419US00	P8418US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-08-16	2007-01-11	2017-10-03	2016-10-24	2011-02-28	Application Date
AMBIENT PRESENTATION OF SURVEILLANCE DATA	AMBIENT PRESENTATION OF SURVEILLANCE DATA	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	MANAGING EMERGENCY RESPONSE SERVICES USING MOBILE COMMUNICATI ON DEVICES	Title Text
13/587038	11/622132	15/723468	15/332501	13/036612	Application Number
8860812	8704893	10055569	9811653	8576066	Registration Number
2014-10-14	2014-04-22	2018-08-21	2017-11-07	2013-11-05	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

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P8425US00	P8424US00	P8423US00	P8422US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2006-06-30	2012-01-11	2011-03-21	2012-07-31	Application Date
APPARATUS AND METHOD FOR MEASURING THE ACCURATE POSITION OF MOVING OBJECTS IN AN INDOOR ENVIRONMENT	MANAGING ENVIRONMENT AL CONTROL SYSTEM EFFICIENCY	CONTROLLING AND MINIMIZING ELECTRICAL POWER CONSUMED BY ELECTRICAL COMPONENTS CONNECTED TO A NETWORKED COMPUTING ENVIRONMENT	METHOD FOR ON-DEMAND ENERGY SAVINGS BY LOWERING POWER USAGE OF AT LEAST ONE STORAGE DEVICE IN A MULTI-TIERED STORAGE SYSTEM	Title Text
11/428019	13/348347	13/052754	13/562626	Application Number
7761233	9024765	8738943	8700932	Registration Number
2010-07-20	2015-05-05	2014-05-27	2014-04-14	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

PCK Reference	Country	Application Pate	File Text	Application Number	Registration Number	Registration Date	
P8429US00	UNITED STATES	2012-11-13	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	13/675391	8934754	2015-01-13	
P8429US01	UNITED STATES	2013-01-25	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	13/751023	9071807	2015-06-30	
P8430US00	UNITED STATES	2007-01-30	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	11/668604	8762060	2014-06-24	
P8430US01	UNITED STATES	2009-11-06	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	12/613758	8805613	2014-08-12	
P8898US00	UNITED STATES	2019-09-09	LIGHT SWITCH SYSTEM	62/897466			
P9481US00	UNITED STATES	2020-03-26	THERMOSTAT DEVICE WITH IMPROVED ENERGY OPTIMIZATION	62/994937			

TRADEMARK REEL: 007532 FRAME: 0367



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#### **Electronic Patent Assignment System**

#### **Confirmation Receipt**

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

#### **CONVEYING PARTY DATA**

Name	<b>Execution Date</b>
ECOBEE INC.	05/05/2020

#### RECEIVING PARTY DATA

Name:	AST TRUST COMPANY (CANADA)
Street Address:	1 TORONTO STREET
Internal Address:	SUITE 1200
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5C 2V6

#### **PROPERTY NUMBERS Total: 9**

Property Type	Number
Patent Number:	D734178
Patent Number:	D833893
Application Number:	29664127
Application Number:	29641301

	Application Number:	29692228	-
***************************************	Application Number:	29675346	-
***************************************	Application Number:	29680117	
***************************************	Application Number:	29681876	-
***************************************	Application Number:	29720269	-
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#### CORRESPONDENCE DATA

 Fax Number:
 (416)865-7380

 Phone:
 416-865-7697

 Email:
 jkkim@torys.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if

provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: TORYS LLP

Address Line 1: 79 WELLINGTON STREET WEST
Address Line 2: 30TH FLOOR, PO BOX 270
Address Line 4: TORONTO, CANADA M5K 1N2

ATTORNEY DOCKET NUMBER:	41252-0001
NAME OF SUBMITTER:	JULIE KIM
Signature:	/Julie Kim/
Date:	05/19/2020

#### **Total Attachments: 22**

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EPAS ID: PAT6113394 Receipt Date: 05/19/2020

#### Return to home page

| .HOME | INDEX| SEARCH | @BUSINESS | CONTACT US | PRIVACY STATEMENT

#### NOTICE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS the undersigned (the "Debtor"), is the owner of the registered intellectual property set forth on Schedule A attached hereto (collectively, the "Intellectual Property");

**AND WHEREAS** pursuant to a Note Purchase Agreement dated as of the date hereof (as amended, supplemented, restated or otherwise modified from time to time, the "**NPA**"), the Debtor has issued secured convertible promissory notes (the "**Notes**") to the Investors.

AND WHEREAS pursuant to the NPA, the Debtor has entered into a General Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "GSA") in favour of AST TRUST COMPANY (CANADA), as collateral agent (the "Agent") in favour of the Investors and granted a security interest in favour of the Agent with respect to the Debtor's interests in the Intellectual Property, among other collateral, as security for its obligations to the Investors under the NPA and the Notes.

**AND WHEREAS** capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in accordance with the terms and obligations set forth in the Security Documents, the Debtor hereby confirms the granting of a security interest and lien in the Intellectual Property to the Agent.

**THE DEBTOR** hereby certifies that the aforementioned information as it relates to the Debtor is true and accurate.

[Signature Page Follows]

Notice of Security Interest in Intellectual Property (Note Purchase Agreement)

2

**DATED**: May 5, 2020

ECOBEE INC.

By:

-----Docusigned by: Stuart Lombard

Name: 55tuart Lombard

Title: Chief Executive Officer

I have the authority to bind the company.

**REEL: 007532 FRAME: 0372** 

## SCHEDULE A

# INTELLECTUAL PROPERTY

# TRADEMARKS - Canada

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09	ECOBEE INC.
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09	ECOBEE INC.
DATARHYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15	ECOBEE INC.
DATARHYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15	ECOBEE INC.
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15	ECOBEE INC.
ECOBEE3	10-Apr-14	1672336	TMA969873	3-May-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	1-May-15	ECOBEE INC.
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19	ECOBEE INC.
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20	ECOBEE INC.
ECOBEE4	10-Feb-17	1822350	TMA1064338	2019-11-26	ECOBEE INC.
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19	ECOBEE INC.
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A	ECOBEE INC.
SWITCH+	5-Feb-18	1881441	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	5-Feb-18	1881442	TMA1018537	2-Apr-19	ECOBEE INC.
E (design)	9-Mar-20	2016327	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	9-Mar-20	2016328	N/A	N/A	ECOBEE INC.
ECOBEE logo	9-Mar-20	2016330	N/A	N/A	ECOBEE INC.

## TRADEMARKS – U.S.A.

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
GREEN MADE EASY	22-Nov-10	85/182,334	4,159,889	19-Jun-12	ECOBEE INC.
ECOBEE	6-Feb-08	280,065/77	3,710,918	17-Nov-09	ECOBEE INC.
ECOBEE (and Design)	6-Feb-08	77/390,141	3,795,396	1-Jun-10	ECOBEE INC.
DATARHYTHM	29-Aug-12	226512/58	4,585,057	12 Aug-15	ECOBEE INC.
ECOBEE SMART THERMOSTAT	8-Dec-11	85/490282	4,212,997	25-Sept-12	ECOBEE INC.
ECOBEE SMART	8-Dec-11	252064/58	4,451,834	17-Dec-13	ECOBEE INC.
ECOBEE EMS	8-Apr-11	85/490325	4201387	4-Sept-12	ECOBEE INC.
ECOBEE3	10-Apr-14	86/249171	4,757,295	16-Jun-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	9-Jul-15	86/249173	4,797,795	25-Aug-15	ECOBEE INC.
DONATE YOUR DATA	3-Jul-16	87/180894	5,509,131	3-Jul-18	ECOBEE INC.
ECOBEE3 LITE	6-Mar-17	87360243	5,778,367	18-Jun-19	ECOBEE INC.
ECOBEE4	6-Mar-17	87/359580	N/A	N/A	ECOBEE INC.
SWITCH+	8-Feb-18	87/790524	N/A	N/A	ECOBEE INC.
WHOLE HOME VOICE	31-Aug-17	87/591544	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	8-FEB-18	87/790509	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	24-MAR-20	88/845798	N/A	N/A	ECOBEE INC.
Bee logo (Design)	6-Mar-17	87/359562	5,296,228	26-Sep-17	ECOBEE INC.

Notice of Security Interest in Intellectual Property

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None.

## **PATENTS**

## PATENTS - CANADA

### Design

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D1507CA00	D1459CA00	D1389CA00	D1387CA00	
CANADA	CANADA	CANADA	CANADA	Country
2019-06-27	2018-04-27	2017-10-27	2017-08-31	Application Date
REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	Title Text
188481	181086	177893	176743	Application Number
	181086	177893	176743	Registration Number
	2019-04-23	2019-04-23	2018-07-05	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	Status

### **Patent**

P6912CA00	P6163CA00	PCK Reference
CANADA	CANADA	Country
2019-11-08	2017-10-02	Application Date
COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	Title Text
3063045	2981023	Application Number
		Registration Number
		Registration Date
PENDING	ANNUITY DEADLINE	Status

Notice of Security Interest in Intellectual Property

#### PCK Reference P7614CA00 P7565CA00 P7207CA00 P7163CA00 P7564CA00 P7562CA00 CANADA CANADA CANADA CANADA CANADA CANADA Country Application Date 2019-04-05 2019-03-19 2019-03-19 2019-03-19 2018-09-24 2018-08-24 HVAC FAN COIL HVAC SIGNALING OVER A TWO-TEMPERATURE SENSING WITH SENSING SMART LIGHT SWITCH WITH SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT **SCHEDULING** INTEGRATED CONNECTION DEVICE FOR DETECTOR VACATION CONTROL Title Text CABLE UNITS WIRE MODE LEAK Application Number 3039300 3037170 3037177 3018288 3015330 3037165 Registration Number Registration Date ANNUITY DEADLINE DEADLINE ANNUITY PENDING PENDING PENDING PENDING Status

**TRADEMARK REEL: 007532 FRAME: 0377** 

PATENTS - U.S.A.

### Design

D1574US00	D1516US00	D1512US00	D1507US00	D1389US02	D1389US01	D1387US01	D1387US00	D1194US00	
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2020-01-10	2019-02-28	2019-02-13	2018-12-31	2019-05-23	2018-03-21	2018-09-21	2017-04-07	2013-10-22	Application Date
CONTACT SENSORS FOR DOORS AND WINDOWS	SWITCH WITH TRIM PLATE	CAMERA DEVICE AND STAND	REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	THERMOSTAT DEVICE	THERMOSTAT DEVICE WITH LOW PROFILE TRIM PLATE	Title Fext
29/720269	29/681876	29/680117	29/675346	29/692228	29/641301	29/664127	29/599864	29/470529	Application Number
							D833893	D734178	Registration Number
							2018-11-20	2015-07-14	Registration Date
CONVENTION DEADLINE	ISSUED	PENDING	DECS/ASSIGNME NTS TO BE FILED	RESPONSE TO OA	ISSUED	ISSUED	ISSUED	ISSUED	Status

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P6163US02	P6163US01	P6163US00	P3396US00	P3213US00	P3212US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-07-22	2018-01-24	2016-10-13	2012-01-10	2011-07-11	2011-07-11	Application Date
CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	CONTROL DEVICE WITH BULK HEATING COMPENSATION	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	HVAC CONTROLLER WITH DEVICE SCHEDULING PROGRAM	HVAC CONTROLLER WITH DYNAMIC TEMPERATURE COMPENSATION	HVAC CONTROLLER WITH PREDICTIVE SET-POINT CONTROL	Title Fext
16/518102	15/878977	15/292648	13/347105	13/179912	13/179770	Application Number
		10215432	8965585	9016593	9696052	Registration Number
		2019-02-26	2015-02-24	2015-04-28	2017-07-04	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0379

P7565US01	P7564US01	P7562US01	P7207US01	P7207US01	P7163US01	P6912US01	P6912US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-09-24	2018-08-24	2019-04-23	2017-05-10	Application Date
SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	Title Text
16/357989	16/357912	16/357762	16/139548	16/139548	16/111384	16/391406	15/591188	Application Number
							10311870	Registration Number
							2019-06-04	Registration Date
FINAL FEE DEADLINE	RESPONSE TO FINAL OA (2-MONTH DEADLINE)	PENDING	RESPONSE TO OA	DECS/TO BE FILED	RESPONSE TO OA	FINAL FEE DEADLINE	ISSUED	Status

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P8344US02	P8344US01	P8344US00	P8343US00	P7614US01	P7565US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-08-10	2016-02-09	2015-11-23	2008-06-09	2019-04-05	2019-03-19	Application Date
DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	SYSTEM AND METHOD TO ROUTE AIRFLOW USING DYNAMICALLY CHANGING DUCTS	CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	Fitle Text
15/233366	15/018943	14/948674	12/135239	16/376029	16/357989	Application Number
9909772	9473321	10250403	9008844			Registration Number
2018-03-06	2016-10-18	2019-04-02	2015-04-14			Registration Date
ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	DECS/ASSIGNME NTS TO BE FILED	DECLARATION/ ASSIGNMENT TO BE FILED	Status

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P8348US01	P8348US00	P8346US01	P8346US00	P8345US00	P8344US04	P8344US03	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2015-10-21	2013-01-30	2015-08-06	2012-07-02	2012-08-01	2019-02-28	2017-08-14	Application Date
ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	MULTI- DIMENSIONAL HEATING AND COOLING SYSTEM	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	litle Text
14/918882	13/754824	14/819555	13/540012	13/564006	16/289051	15/675819	Application Number
9982472	9196103	9854645	9161419	9152154		10072866	Registration Number
2018-05-29	2015-11-24	2117-12-26	2015-10-13	2015-10-06		2018-09-11	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	RESPONSE TO OA	ISSUED	Status

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P8356US01	P8356US00	P8349US01	P8349US00	P8348US02	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-01-25	2012-11-13	2012-09-06	2012-04-13	2018-03-08	Application Date
AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	Title Text
13/675429	13/675429	13/604678	13/446172	15/915924	Application Number
9041812	9041812	8732270	8872638	10309145	Registration Number
2015-11-17	2015-05-26	2014-05-20	2014-10-28	2019-06-04	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

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P8367US00 UNITEI	P8366US00 UNITEI	P8362US00 UNITEI	P8359US00 UNITEI	PCk Reference Co
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Сониту
2014-09-30	2009-05-27	2005-10-24	2009-11-20	Application Date
REMOTE OBJECT SENSING IN	MONITORING PATTERNS OF MOTION	SYSTEM, METHOD AND PROGRAM PRODUCT FOR HOUSE AUTOMATION	SYSTEM FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, METHOD FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, ASSISTING DEVICE, AND COMPUITER PROGRAM	Title Text
14/502110	12/473181	11/257290	12/622455	Application Number
9270940	8081082	7308321	8516499	Registration Number
2016-02-23	2011-12-20	2007-12-11	2013-08-20	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

P8375US02	P8375US01	P8375US00	P8368US01	P8368US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2017-03-22	2013-01-25	2012-11-13	2008-06-04	2006-06-16	Application Date
DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	Fille Text
15/465756	13/751013	13/675348	12/132890	11/455210	Application Number
	9681104	9681103	8134457	7468662	Registration Number
	2017-06-13	2017-06-13	2012-03-13	2008-12-23	Registration Date
PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

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PUK Reference	Country	Application Date	Title Text	Application Number	Registration Number	Registration Date	Status
P8376US00	UNITED STATES	2009-04-08	GROUP AWARE TRACKING OF PERSONAL PROPERTY WITHIN A BOUNDED ZONE	12/420652	8164443	2012-04-24	ISSUED
P8377US00	UNITED STATES	2007-12-10	NOTIFYING USERS OF USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	11/953554	7432805	2008-10-07	ISSUED
P8377US01	UNITED STATES	2008-07-24	NOTIFYING USERS OF USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	12/179147	7791472	2010-09-07	ISSUED
P8378US00	UNITED STATES	2014-05-22	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	14/284581	9355547	2016-05-31	ISSUED
P8378US01	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146378	9978290	2018-05-22	ISSUED
P8378US02	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146330	9984590	2018-05-29	ISSUED

P8408US00	P8407US00	P8405US01	P8405US00	P8404US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-11-14	2004-06-02	2016-05-12	2015-12-30	2012-10-08	Application Date
DYNAMIC TEMPERATURE CONTROL FOR A ROOM CONTAINING A GROUP OF PEOPLE	METHOD AND APPARATUS FOR REMOTE COMMAND, CONTROL AND DIAGNOSTICS OF SYSTEMS USING CONVERSATION AL OR AUDIO INTERFACE	PRO-ACTIVE BUILDING PROTECTION SYSTEM	PRO-ACTIVE BUILDING PROTECTION SYSTEM	MONITORING USER POSITION TO DETERMINE A TIME FOR PROVIDING A SPECIFIED STATE AT A USER PREMISES	Title Fest
13/676545	10/858083	15/152606	14/985068	13/647234	Application Number
9465392	8224649	9483933	9382747	9377791	Registration Number
2016-10-11	2012-07-17	2016-11-01	2016-07-05	2016-06-28	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8412US00	P8411US01	P8411US00	P8410US00	P8409US01	P8409US00	PCk Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Сонину
2013-03-14	2016-11-11	2016-03-14	2009-03-12	2012-09-14	2006-02-07	Application Date
INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	INTELLIGENT THERMOSTAT CONTROL SYSTEM	INTELLIGENT THERMOSTAT CONTROL SYSTEM	VIDEO PATTERN RECOGNITION FOR AUTOMATING EMERGENCY SERVICE INCIDENT AWARENESS AND RESPONSE	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	Title Text
13/826419	15/349114	15/068921	12/402626	13/620042	11/348902	Application Number
9599973	9772115	9574786	8368754	8724811	8325923	Registration Number
2017-03-21	2017-09-26	2017-02-21	2013-02-05	2014-05-13	2012-12-04	Registration Date
ANNUITY DEADLINE	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

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P8417US00	P8416US00	P8414US01	P8413US00	P8412US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-10-26	2016-04-28	2005-07-28	2016-09-21	2013-08-20	Application Date
AUTOMATED NOTIFICATION MUTING RESPONSIVE TO PREDICTED LOCATION	FINE TUNING APPLICATION BEHAVIOR USING APPLICATION ZONES	SYSTEM AND METHOD FOR ALARM GENERATION BASED ON THE DETECTION OF THE PRESENCE OF A PERSON	SURVEILLANCE DETECTION BASED ON AN IDENTIFICATIO N OF A CARRIED MOBILE DEVICE	INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	Title Text
15/334330	15/141606	11/495334	15/271362	13/971251	Application Number
9756607	9733996	7554444	9693181	9733630	Registration Number
2017-09-05	2017-08-15	2009-06-30	2017-06-27	2017-08-15	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	Status

P8421US01	P8421US00	P8419US01	P8419US00	P8418US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-08-16	2007-01-11	2017-10-03	2016-10-24	2011-02-28	Application Date
AMBIENT PRESENTATION OF SURVEILLANCE DATA	AMBIENT PRESENTATION OF SURVEILLANCE DATA	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	MANAGING EMERGENCY RESPONSE SERVICES USING MOBILE COMMUNICATI ON DEVICES	Title Text
13/587038	11/622132	15/723468	15/332501	13/036612	Application Number
8860812	8704893	10055569	9811653	8576066	Registration Number
2014-10-14	2014-04-22	2018-08-21	2017-11-07	2013-11-05	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

TRADEMARK **REEL: 007532 FRAME: 0390** 

P8425US00	P8424US00	P8423US00	P8422US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2006-06-30	2012-01-11	2011-03-21	2012-07-31	Application Date
APPARATUS AND METHOD FOR MEASURING THE ACCURATE POSITION OF MOVING OBJECTS IN AN INDOOR ENVIRONMENT	MANAGING ENVIRONMENT AL CONTROL SYSTEM EFFICIENCY	CONTROLLING AND MINIMIZING ELECTRICAL POWER CONSUMED BY ELECTRICAL COMPONENTS CONNECTED TO A NETWORKED COMPUTING ENVIRONMENT	METHOD FOR ON-DEMAND ENERGY SAVINGS BY LOWERING POWER USAGE OF AT LEAST ONE STORAGE DEVICE IN A MULTI-TIERED STORAGE SYSTEM	Title Text
11/428019	13/348347	13/052754	13/562626	Application Number
7761233	9024765	8738943	8700932	Registration Number
2010-07-20	2015-05-05	2014-05-27	2014-04-14	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

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TRADEMARK REEL: 007532 FRAME: 0391

P9481US00	P8898US00	P8430US01	P8430US00	P8429US01	P8429US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	SALVE GALINN	UNITED STATES	Country
2020-03-26	2019-09-09	2009-11-06	2007-01-30	2013-01-25	2012-11-13	Application Date
THERMOSTAT DEVICE WITH IMPROVED ENERGY OPTIMIZATION	LIGHT SWITCH SYSTEM	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	Title Text
62/994937	62/897466	12/613758	11/668604	13/751023	13/675391	Application Number
		8805613	8762060	9071807	8934754	Registration Number
		2014-08-12	2014-06-24	2015-06-30	2015-01-13	Registration Date
	CONVENTION DEADLINE	ISSUED	ISSUED	ISSUED	ISSUED	Status



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### **Electronic Patent Assignment System**

### **Confirmation Receipt**

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

### **CONVEYING PARTY DATA**

Name	<b>Execution Date</b>
ECOBEE INC.	05/05/2020

### RECEIVING PARTY DATA

Name:	AST TRUST COMPANY (CANADA)
Street Address:	1 TORONTO STREET
Internal Address:	SUITE 1200
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5C 2V6

#### PROPERTY NUMBERS Total: 75

Property Type	Number
Patent Number:	9696052
Patent Number:	9016593
Patent Number:	8965585
Patent Number:	10215432

Patent Number:	10311870
Patent Number:	9008844
Patent Number:	10250403
Patent Number:	9473321
Patent Number:	9909772
Patent Number:	10072866
Patent Number:	9152154
Patent Number:	9161419
Patent Number:	9854645
Patent Number:	9196103
Patent Number:	9982472
Patent Number:	10309145
Patent Number:	8872638
Patent Number:	8732270
Patent Number:	9041812
Patent Number:	8516499
Patent Number:	7308321
Patent Number:	8081082
Patent Number:	9270940
Patent Number:	7468662
Patent Number:	8134457
Patent Number:	9681103
Patent Number:	9681104
Patent Number:	8164443
Patent Number:	7432805
Patent Number:	7791472
Patent Number:	9355547
Patent Number:	9978290
Patent Number:	9984590
Patent Number:	9377791
Patent Number:	9382747
Patent Number:	9483933
Patent Number:	8224649
Patent Number:	9465392
Patent Number:	8724811
Patent Number:	8368754
Patent Number:	9574786

Patent Number:	9772115
Patent Number:	9599973
Patent Number:	9733630
Patent Number:	9693181
Patent Number:	7554444
Patent Number:	9733996
Patent Number:	9756607
Patent Number:	8576066
Patent Number:	9811653
Patent Number:	10055569
Patent Number:	8704893
Patent Number:	8860812
Patent Number:	8700932
Patent Number:	8738943
Patent Number:	9024765
Patent Number:	7761233
Patent Number:	8934754
Patent Number:	9071807
Patent Number:	8762060
Patent Number:	8805613
Application Number:	15878977
Application Number:	16518102
Application Number:	16391406
Application Number:	16111384
Application Number:	16139548
Application Number:	16357762
Application Number:	16357912
Application Number:	16357989
Application Number:	16376029
Application Number:	16289051
Application Number:	15465756
Application Number:	11348902
Application Number:	62897466
Application Number:	62994937

CORRESPONDENCE DATA

(416)865-7380 Fax Number: 416-865-7697 Phone: Email: ikkim@torvs.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: TORYSLLP 79 WELLINGTON STREET WEST Address Line 1: Address Line 2: 30TH FLOOR, PO BOX 270 Address Line 4: TORONTO, CANADA M5K 1N2 ATTORNEY DOCKET 41252-0001 **NUMBER:** NAME OF SUBMITTER: JULIE KIM Signature: /Julie Kim/ Date: 05/19/2020 **Total Attachments: 22** source=ecobee - Notice of Security Interest in IP (005)\_#page1.tif source=ecobee - Notice of Security Interest in IP (005)\_#page2.tif source=ecobee - Notice of Security Interest in IP (005)\_#page3.tif source=ecobee - Notice of Security Interest in IP (005)\_#page4.tif source=ecobee - Notice of Security Interest in IP (005) #page5.tif source=ecobee - Notice of Security Interest in IP (005)\_#page6.tif source=ecobee - Notice of Security Interest in IP (005)\_#page7.tif source=ecobee - Notice of Security Interest in IP (005)\_#page8.tif source=ecobee - Notice of Security Interest in IP (005)\_#page9.tif source=ecobee - Notice of Security Interest in IP (005)\_#page10.tif source=ecobee - Notice of Security Interest in IP (005)\_#page11.tif source=ecobee - Notice of Security Interest in IP (005)\_#page12.tif source=ecobee - Notice of Security Interest in IP (005)\_#page13.tif source=ecobee - Notice of Security Interest in IP (005)\_#page14.tif source=ecobee - Notice of Security Interest in IP (005)\_#page15.tif source=ecobee - Notice of Security Interest in IP (005)\_#page16.tif source=ecobee - Notice of Security Interest in IP (005)\_#page17.tif source=ecobee - Notice of Security Interest in IP (005)\_#page18.tif source=ecobee - Notice of Security Interest in IP (005)\_#page19.tif source=ecobee - Notice of Security Interest in IP (005)\_#page20.tif source=ecobee - Notice of Security Interest in IP (005)\_#page21.tif source=ecobee - Notice of Security Interest in IP (005)\_#page22.tif RECEIPT INFORMATION EPAS ID: PAT6113378 Receipt Date: 05/19/2020

### Keturn to home page

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**TRADEMARK** 

### NOTICE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS the undersigned (the "Debtor"), is the owner of the registered intellectual property set forth on Schedule A attached hereto (collectively, the "Intellectual Property");

**AND WHEREAS** pursuant to a Note Purchase Agreement dated as of the date hereof (as amended, supplemented, restated or otherwise modified from time to time, the "**NPA**"), the Debtor has issued secured convertible promissory notes (the "**Notes**") to the Investors.

AND WHEREAS pursuant to the NPA, the Debtor has entered into a General Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "GSA") in favour of AST TRUST COMPANY (CANADA), as collateral agent (the "Agent") in favour of the Investors and granted a security interest in favour of the Agent with respect to the Debtor's interests in the Intellectual Property, among other collateral, as security for its obligations to the Investors under the NPA and the Notes.

**AND WHEREAS** capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in accordance with the terms and obligations set forth in the Security Documents, the Debtor hereby confirms the granting of a security interest and lien in the Intellectual Property to the Agent.

**THE DEBTOR** hereby certifies that the aforementioned information as it relates to the Debtor is true and accurate.

[Signature Page Follows]

Notice of Security Interest in Intellectual Property (Note Purchase Agreement)

TRADEMARK REEL: 007532 FRAME: 0397 2

**DATED**: May 5, 2020

ECOBEE INC.

By:

\_\_\_\_\_Docusigned by: Stuart Lombard

Name: 55th art Lombard

Title: Chief Executive Officer

I have the authority to bind the company.

**REEL: 007532 FRAME: 0398** 

## SCHEDULE A

# INTELLECTUAL PROPERTY

# TRADEMARKS - Canada

TRADEMARK **REEL: 007532 FRAME: 0399** 

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09	ECOBEE INC.
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09	ECOBEE INC.
DATARHYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15	ECOBEE INC.
DATARHYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15	ECOBEE INC.
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15	ECOBEE INC.
ECOBEE3	10-Apr-14	1672336	TMA969873	3-May-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	1-May-15	ECOBEE INC.
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19	ECOBEE INC.
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20	ECOBEE INC.
ECOBEE4	10-Feb-17	1822350	TMA1064338	2019-11-26	ECOBEE INC.
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19	ECOBEE INC.
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A	ECOBEE INC.
SWITCH+	5-Feb-18	1881441	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	5-Feb-18	1881442	TMA1018537	2-Apr-19	ECOBEE INC.
E (design)	9-Mar-20	2016327	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	9-Mar-20	2016328	N/A	N/A	ECOBEE INC.
ECOBEE logo	9-Mar-20	2016330	N/A	N/A	ECOBEE INC.

# TRADEMARKS - U.S.A.

TRADEMARK REEL: 007532 FRAME: 0400

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
GREEN MADE EASY	22-Nov-10	85/182,334	4,159,889	19-Jun-12	ECOBEE INC.
ECOBEE	6-Feb-08	77/390,082	3,710,918	17-Nov-09	ECOBEE INC.
ECOBEE (and Design)	6-Feb-08	77/390,141	3,795,396	1-Jun-10	ECOBEE INC.
DATARHYTHM	29-Aug-12	85/715922	4,585,057	12 Aug-15	ECOBEE INC.
ECOBEE SMART THERMOSTAT	8-Dec-11	85/490282	4,212,997	25-Sept-12	ECOBEE INC.
ECOBEE SMART	8-Dec-11	85/490252	4,451,834	17-Dec-13	ECOBEE INC.
ECOBEE EMS	8-Apr-11	85/490325	4201387	4-Sept-12	ECOBEE INC.
ECOBEE3	10-Apr-14	86/249171	4,757,295	16-Jun-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	9-Jul-15	86/249173	4,797,795	25-Aug-15	ECOBEE INC.
DONATE YOUR DATA	3-Jul-16	87/180894	5,509,131	3-Jul-18	ECOBEE INC.
ECOBEE3 LITE	6-Mar-17	87360243	5,778,367	18-Jun-19	ECOBEE INC.
ECOBEE4	6-Mar-17	87/359580	N/A	N/A	ECOBEE INC.
SWITCH+	8-Feb-18	87/790524	N/A	N/A	ECOBEE INC.
WHOLE HOME VOICE	31-Aug-17	87/591544	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	8-FEB-18	87/790509	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	24-MAR-20	88/845798	N/A	N/A	ECOBEE INC.
Bee logo (Design)	6-Mar-17	87/359562	5,296,228	26-Sep-17	ECOBEE INC.

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None.

TRADEMARK REEL: 007532 FRAME: 0401

## **PATENTS**

# PATENTS - CANADA

### Design

D1507CA00	D1459CA00	D1389CA00	D1387CA00	
CANADA	CANADA	CANADA	CANADA	Country
2019-06-27	2018-04-27	2017-10-27	2017-08-31	Application Date
REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	Title Text
188481	181086	177893	176743	Application Number
	181086	177893	176743	Registration Number
	2019-04-23	2019-04-23	2018-07-05	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	Status

### **Patent**

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CANADA	CANADA	Country
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2019-11-08	2017-10-02	Application Date
08	02	Date
COM DE' CO	DE' DE' C PR SO:	
COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	Title Text
AZED VITH B ND ND	S. ALE DED LED LED LED LED LED LED LED LED L	×
3063045	2981023	Application Number
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		Registration Number
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		Registration Date
		n Date
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PENDING	ANNUITY DEADLINE	Status
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### PCK Reference P7614CA00 P7565CA00 P7207CA00 P7163CA00 P7564CA00 P7562CA00 CANADA CANADA CANADA CANADA CANADA CANADA Country Application Date 2019-04-05 2019-03-19 2019-03-19 2019-03-19 2018-09-24 2018-08-24 HVAC SIGNALING OVER A TWO-HVAC FAN COIL TEMPERATURE SENSING WITH SENSING SWITCH WITH SWITCH WITH SMART LIGHT SWITCH WITH SMART LIGHT SMART LIGHT **SCHEDULING** INTEGRATED CONNECTION DEVICE FOR DETECTOR VACATION CONTROL Title Text CABLE UNITS WIRE MODE LEAK Application Number 3037170 3037177 3018288 3015330 3039300 3037165 Registration Number Registration Date ANNUITY DEADLINE DEADLINE ANNUITY PENDING PENDING PENDING PENDING Status

PATENTS - U.S.A.

WSLEGAL\078736\00010\24634672v2

.

### Design

D1574US00	D1516US00	D1512US00	D1507US00	D1389US02	D1389US01	D1387US01	D1387US00	D1194US00	
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2020-01-10	2019-02-28	2019-02-13	2018-12-31	2019-05-23	2018-03-21	2018-09-21	2017-04-07	2013-10-22	Application Date
CONTACT SENSORS FOR DOORS AND WINDOWS	SWITCH WITH TRIM PLATE	CAMERA DEVICE AND STAND	REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	THERMOSTAT DEVICE	THERMOSTAT DEVICE WITH LOW PROFILE TRIM PLATE	Title Text
29/720269	29/681876	29/680117	29/675346	29/692228	29/641301	29/664127	29/599864	29/470529	Application Number
							D833893	D734178	Registration Number
							2018-11-20	2015-07-14	Registration Date
CONVENTION DEADLINE	ISSUED	PENDING	DECS/ASSIGNME NTS TO BE FILED	RESPONSE TO OA	ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

TRADEMARK REEL: 007532 FRAME: 0404

### Patent

P6163US02	P6163US01	P6163US00	P3396US00	P3213US00	P3212US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-07-22	2018-01-24	2016-10-13	2012-01-10	2011-07-11	2011-07-11	Application Date
CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	CONTROL DEVICE WITH BULK HEATING COMPENSATION	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	HVAC CONTROLLER WITH DEVICE SCHEDULING PROGRAM	HVAC CONTROLLER WITH DYNAMIC TEMPERATURE COMPENSATION	HVAC CONTROLLER WITH PREDICTIVE SET-POINT CONTROL	Title Fext
16/518102	15/878977	15/292648	13/347105	13/179912	13/179770	Application Number
		10215432	8965585	9016593	9696052	Registration Number
		2019-02-26	2015-02-24	2015-04-28	2017-07-04	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

P7565US01	P7564US01	P7562US01	P7207US01	P7207US01	P7163US01	P6912US01	P6912US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-09-24	2018-08-24	2019-04-23	2017-05-10	Application Date
SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	Title Text
16/357989	16/357912	16/357762	16/139548	16/139548	16/111384	16/391406	15/591188	Application Number
							10311870	Registration Number
							2019-06-04	Registration Date
FINAL FEE DEADLINE	RESPONSE TO FINAL OA (2-MONTH DEADLINE)	PENDING	RESPONSE TO OA	DECS/TO BE FILED	RESPONSE TO OA	FINAL FEE DEADLINE	ISSUED	Status

P8344US02	P8344US01	P8344US00	P8343US00	P7614US01	P7565US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-08-10	2016-02-09	2015-11-23	2008-06-09	2019-04-05	2019-03-19	Application Date
DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	SYSTEM AND METHOD TO ROUTE AIRFLOW USING DYNAMICALLY CHANGING DUCTS	CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	Title Text
15/233366	15/018943	14/948674	12/135239	16/376029	16/357989	Application Number
9909772	9473321	10250403	9008844			Registration Number
2018-03-06	2016-10-18	2019-04-02	2015-04-14			Registration Date
ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	DECS/ASSIGNME NTS TO BE FILED	DECLARATION/ ASSIGNMENT TO BE FILED	Status

#### Pt K Reference P8348US01 P8348US00 P8346US01 P8346US00 P8345US00 P8344US04 P8344US03 UNITED STATES Country Application Date 2015-10-21 2013-01-30 2015-08-06 2012-07-02 2012-08-01 2019-02-28 2017-08-14 TECHNOLOGY FOR BUILDING AUTOMATION COORDINATED LIGHTING OF A COORDINATED FOR BUILDING LIGHTING OF A TECHNOLOGY HEATING AND DIMENSIONAL SMART HOME SMART HOME AUTOMATION INTELLIGENT INTELLIGENT CONTROL OF CONTROL OF WEARABLE WEARABLE DYNAMIC LIGHTING DYNAMIC LIGHTING COOLING SYSTEM DEVICE DEVICE DEVICE DEVICE Title Text ENTRY MULTI-USING ENTRY USING AND Application Number 14/819555 14/918882 13/754824 13/540012 13/564006 16/289051 15/675819 Registration Number 9152154 10072866 9196103 9854645 9161419 9982472 Registration Date 2018-05-29 2015-11-24 2117-12-26 2015-10-06 2018-09-11 2015-10-13 RESPONSE TO **ISSUED ISSUED** ISSUED **ISSUED ISSUED ISSUED** Status

TRADEMARK **REEL: 007532 FRAME: 0409** 

P8356US01	P8356US00	P8349US01	P8349US00	P8348US02	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-01-25	2012-11-13	2012-09-06	2012-04-13	2018-03-08	Application Date
AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	Title Text
13/675429	13/675429	13/604678	13/446172	15/915924	Application Number
9041812	9041812	8732270	8872638	10309145	Registration Number
2015-11-17	2015-05-26	2014-05-20	2014-10-28	2019-06-04	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

P8367US00	P8366US00	P8362US00	P8359US00	PUK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Сонику
2014-09-30	2009-05-27	2005-10-24	2009-11-20	Application Date
REMOTE OBJECT SENSING IN VIDEO	MONITORING PATTERNS OF MOTION	SYSTEM, METHOD AND PROGRAM PRODUCT FOR HOUSE AUTOMATION	SYSTEM FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, METHOD FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, ASSISTING DEVICE, AND COMPUITER PROGRAM	Hile Text
14/502110	12/473181	11/257290	12/622455	Application Number
9270940	8081082	7308321	8516499	Registration Number
2016-02-23	2011-12-20	2007-12-11	2013-08-20	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

P8375US02	P8375US01	P8375US00	P8368US01	P8368US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Совину
2017-03-22	2013-01-25	2012-11-13	2008-06-04	2006-06-16	Application Date
DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	Title Text
15/465756	13/751013	13/675348	12/132890	11/455210	Application Number
	9681104	9681103	8134457	7468662	Registration Number
	2017-06-13	2017-06-13	2012-03-13	2008-12-23	Registration Date
PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

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PCK Reference	Country	Application Date	Title Text	Application Number	Registration Number	Registration Date	Status
P8376US00	UNITED STATES	2009-04-08	GROUP AWARE TRACKING OF PERSONAL PROPERTY WITHIN A BOUNDED ZONE	12/420652	8164443	2012-04-24	ISSUED
P8377US00	UNITED STATES	2007-12-10	NOTIFYING USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	11/953554	7432805	2008-10-07	ISSUED
P8377US01	UNITED STATES	2008-07-24	NOTIFYING USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	12/179147	7791472	2010-09-07	ISSUED
P8378US00	UNITED STATES	2014-05-22	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	14/284581	9355547	2016-05-31	ISSUED
P8378US01	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146378	9978290	2018-05-22	ISSUED
P8378US02	UNITED STATES	2016-05-04	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	15/146330	9984590	2018-05-29	ISSUED

Notice of Security Intere	
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P8408US00	P8407US00	P8405US01	P8405US00	P8404US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-11-14	2004-06-02	2016-05-12	2015-12-30	2012-10-08	Application Date
DYNAMIC TEMPERATURE CONTROL FOR A ROOM CONTAINING A GROUP OF PEOPLE	METHOD AND APPARATUS FOR REMOTE COMMAND, CONTROL AND DIAGNOSTICS OF SYSTEMS USING CONVERSATION AL OR AUDIO INTERFACE	PRO-ACTIVE BUILDING PROTECTION SYSTEM	PRO-ACTIVE BUILDING PROTECTION SYSTEM	MONITORING USER POSITION TO DETERMINE A TIME FOR PROVIDING A SPECIFIED STATE AT A USER PREMISES	Title Text
13/676545	10/858083	15/152606	14/985068	13/647234	Application Number
9465392	8224649	9483933	9382747	9377791	Registration Number
2016-10-11	2012-07-17	2016-11-01	2016-07-05	2016-06-28	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0413

P8412US00	P8411US01 UNITI	P8411US00 UNITI	P8410US00 UNITI	P8409US01 UNITI	P8409US00 UNITI	PCK Reference C
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-03-14	2016-11-11	2016-03-14	2009-03-12	2012-09-14	2006-02-07	Application Date
INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL	INTELLIGENT THERMOSTAT CONTROL SYSTEM	INTELLIGENT THERMOSTAT CONTROL SYSTEM	VIDEO PATTERN RECOGNITION FOR AUTOMATING EMERGENCY SERVICE INCIDENT AWARENESS AND RESPONSE	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	File Text
13/826419	15/349114	15/068921	12/402626	13/620042	11/348902	Application Number
9599973	9772115	9574786	8368754	8724811	8325923	Registration Number
2017-03-21	2017-09-26	2017-02-21	2013-02-05	2014-05-13	2012-12-04	Registration Date
ANNUITY DEADLINE	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

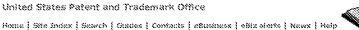
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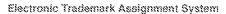
P8417US00	P8416US00	P8414US01		P8412US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-10-26	2016-04-28	2005-07-28	2016-09-21	2013-08-20	Application Date
AUTOMATED NOTIFICATION MUTING RESPONSIVE TO PREDICTED LOCATION	FINE TUNING APPLICATION BEHAVIOR USING APPLICATION ZONES	SYSTEM AND METHOD FOR ALARM GENERATION BASED ON THE DETECTION OF THE PRESENCE OF A PERSON	SURVEILLANCE DETECTION BASED ON AN IDENTIFICATIO N OF A CARRIED MOBILE DEVICE	INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	Title Text
15/334330	15/141606	11/495334	15/271362	13/971251	Application Number
9756607	9733996	7554444	9693181	9733630	Registration Number
2017-09-05	2017-08-15	2009-06-30	2017-06-27	2017-08-15	Registration Date
ISSUED	ANNUITY DEADLINE ISSUED		ANNUITY DEADLINE	ISSUED	Status

P8421US01	P8421US00	P8419US01	P8419US00	P8418US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	SELVE CELINN	Country
2012-08-16	2007-01-11	2017-10-03	2016-10-24	2011-02-28	Application Date
AMBIENT PRESENTATION OF SURVEILLANCE DATA	AMBIENT PRESENTATION OF SURVEILLANCE DATA	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	MANAGING EMERGENCY RESPONSE SERVICES USING MOBILE COMMUNICATI ON DEVICES	Title Text
13/587038	11/622132	15/723468	15/332501	13/036612	Application Number
8860812	8704893	10055569	9811653	8576066	Registration Number
2014-10-14	2014-04-22	2018-08-21	2017-11-07	2013-11-05	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

P8425US00	P8424US00	P8423US00	P8422US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2006-06-30	2012-01-11	2011-03-21	2012-07-31	Application Date
APPARATUS AND METHOD FOR MEASURING THE ACCURATE POSITION OF MOVING OBJECTS IN AN INDOOR ENVIRONMENT	MANAGING ENVIRONMENT AL CONTROL SYSTEM EFFICIENCY	CONTROLLING AND MINIMIZING ELECTRICAL POWER CONSUMED BY ELECTRICAL COMPONENTS CONNECTED TO A NETWORKED COMPUTING ENVIRONMENT	METHOD FOR ON-DEMAND ENERGY SAVINGS BY LOWERING POWER USAGE OF AT LEAST ONE STORAGE DEVICE IN A MULTI-TIERED STORAGE SYSTEM	Title Text
11/428019	13/348347	13/052754	13/562626	Application Number
7761233	9024765	8738943	8700932	Registration Number
2010-07-20	2015-05-05	2014-05-27	2014-04-14	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

						***************************************
P9481US00	P8898US00	P8430US01	P8430US00	P8429US01	P8429US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	SELVLS GELINN	Сониту
2020-03-26	2019-09-09	2009-11-06	2007-01-30	2013-01-25	2012-11-13	Application Date
THERMOSTAT DEVICE WITH IMPROVED ENERGY OPTIMIZATION	LIGHT SWITCH SYSTEM	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	Title Text
62/994937	62/897466	12/613758	11/668604	13/751023	13/675391	Application Number
		8805613	8762060	9071807	8934754	Registration Number
		2014-08-12	2014-06-24	2015-06-30	2015-01-13	Registration Date
	CONVENTION DEADLINE	ISSUED	ISSUED	ISSUED	ISSUED	Status





### Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

### THADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

	SUBMISSION TYPE:	NEW ASSIGNMENT
	NATURE OF CONVEYANCE:	SECURITY INTEREST
Ş		

#### CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Ecobee Inc.		05/05/2020	Corporation: CANADA

C225'	*****	08102	PARTY	AYAC
* 222 *			PARTY Y	2,732,135

Name:	AST Trust Company (Canada)
Street Address:	1 Toronto Street
lmternal Address:	Sulle 1200
City:	Torento
State/Country:	CANADA
Postal Code:	M5C 2V6
Entity Type:	Corporation: CANADA

#### PROPERTY NUMBERS Total: 17 · There a . II XI combace II

Property Type	Number	Word Mark
Registration Number:	4159889	GREEN MADE EASY
Registration Number:	3710918	ECOBEE
Registration Number:	3795396	ECOBEE
Registration Number:	4585057	MHTYHRATAD
Registration Number:	4212997	ECOBEE SMART THERMOSTAT
Registration Number:	4451834	ECOBEE SMART
Registration Number:	4201387	ECOBEE EMS
Registration Number:	4757295	ECOBEE3
Registration Number:	4797795	FOR HOMES WITH MORE THAN ONE ROOM
Registration Number:	5509131	DONATE YOUR DATA
Registration Number:	5778367	ECOBEE3 LITE
Registration Number:	5296228	
Serial Number:	87359580	ECOBEE4
Serial Number:	87790524	SWITCH+
Serial Number:	87591544	WHOLE HOME VOICE
Serial Number:	87790509	ECOBEE SWITCH+
Serial Number:	88845798	ECOBEE HAVEN

#### CORRESPONDENCE DATA

4168657380 416-865-7697 Fax Number: ikkim@torys.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US ffeil.

Correspondent Name: Torys LLP

79 Wellington Street West 30th Floor, PO Box 270 Toronto, GANADA M6K 1N2 Address Line 1: Address Line 2: Address Line 4:

DOMESTIC REPRIESENTATIVII Name: Address Line 1: Address Line 2: Address Line 3: Address Line 4:	
NAME OF SUBMITTER:	Julie Kim
Signature:	/Julie Kim/
Date:	05/19/2020
sourre=ecobee - Notice of Se sourre=ecobee - Notice of Se source=ecobee - Notice of Se	country Interest in IP (005) #page1.tif country Interest in IP (005) #page2.tif country Interest in IP (005) #page3.tif country Interest in IP (005) #page4.tif country Interest in IP (005) #page6.tif country Interest in IP (005) #page6.tif country Interest in IP (005) #page8.tif country Interest in IP (005) #page1.tif country Interest in IP (005) #page11.tif country Interest in IP (005) #page12.tif country Interest in IP (005) #page13.tif country Interest in IP (005) #page13.tif country Interest in IP (005) #page15.tif country Interest in IP (005) #page16.tif country Interest in IP (005) #page16.tif country Interest in IP (005) #page16.tif country Interest in IP (005) #page19.tif country Interest in IP (005) #page19.tif country Interest in IP (005) #page19.tif country Interest in IP (005) #page20.tif country Interest in IP (005) #page22.tif
RECEIPT INFORMATION ETAS ID: TM577 Receipt Date: 05/19/2 Fee Amount: \$440	

Return to ETAS home page

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TRADEMARK REEL: 007532 FRAME: 0420  $_{\rm 2020}$ 

### NOTICE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY

WHEREAS the undersigned (the "Debtor"), is the owner of the registered intellectual property set forth on Schedule A attached hereto (collectively, the "Intellectual Property");

**AND WHEREAS** pursuant to a Note Purchase Agreement dated as of the date hereof (as amended, supplemented, restated or otherwise modified from time to time, the "**NPA**"), the Debtor has issued secured convertible promissory notes (the "**Notes**") to the Investors.

AND WHEREAS pursuant to the NPA, the Debtor has entered into a General Security Agreement dated as of May 5, 2020 (as amended, supplemented, restated or otherwise modified from time to time, the "GSA") in favour of AST TRUST COMPANY (CANADA), as collateral agent (the "Agent") in favour of the Investors and granted a security interest in favour of the Agent with respect to the Debtor's interests in the Intellectual Property, among other collateral, as security for its obligations to the Investors under the NPA and the Notes.

**AND WHEREAS** capitalized terms used but not defined herein have the meanings assigned to them in the NPA.

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in accordance with the terms and obligations set forth in the Security Documents, the Debtor hereby confirms the granting of a security interest and lien in the Intellectual Property to the Agent.

**THE DEBTOR** hereby certifies that the aforementioned information as it relates to the Debtor is true and accurate.

[Signature Page Follows]

Notice of Security Interest in Intellectual Property (Note Purchase Agreement)

2

**DATED**: May 5, 2020

ECOBEE INC.

By:

-----Docusigned by: Stuart Lombard

Name: 55tuart Lombard

Title: Chief Executive Officer

I have the authority to bind the company.

REEL: 007532 FRAME: 0422

SCHEDULE A

# INTELLECTUAL PROPERTY

## TRADEMARKS - Canada

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
ECOBEE & Design	01-Feb-08	1381717	TMA754845	08-Dec-09	ECOBEE INC.
ECOBEE	01-Feb-08	1381716	TMA737236	31-Mar-09	ECOBEE INC.
DATARHYTHM TECHNOLOGIES	20-Aug-12	1590783	TMA912159	24-Aug-15	ECOBEE INC.
DATARHYTHM	29-Aug-12	1592098	TMA913931	15-Sep-15	ECOBEE INC.
HOME IQ	29-Aug-12	1592099	TMA913939	15-Sep-15	ECOBEE INC.
ECOBEE3	10-Apr-14	1672336	TMA969873	3-May-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	10-Apr-14	1672337	TMA969566	1-May-15	ECOBEE INC.
ECOBEE3 LITE	10-Feb-17	1822346	TMA1012523	09-Jan-19	ECOBEE INC.
ECOBEE4 SMART THERMOSTAT	10-Feb-17	1822347	TMA1069407	14-Jan-20	ECOBEE INC.
ECOBEE4	10-Feb-17	1822350	TMA1064338	2019-11-26	ECOBEE INC.
ECOBEE3 LITE SMART THERMOSTAT	10-Feb-17	1822351	TMA1012526	09-Jan-19	ECOBEE INC.
WHOLE HOME VOICE	18-May-17	1838331	N/A	N/A	ECOBEE INC.
SWITCH+	5-Feb-18	1881441	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	5-Feb-18	1881442	TMA1018537	2-Apr-19	ECOBEE INC.
E (design)	9-Mar-20	2016327	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	9-Mar-20	2016328	N/A	N/A	ECOBEE INC.
ECOBEE logo	9-Mar-20	2016330	N/A	N/A	ECOBEE INC.

## TRADEMARKS – U.S.A.

Mark	Filing Date	App. No.	Reg. No.	Reg. Date	Owner
GREEN MADE EASY	22-Nov-10	85/182,334	4,159,889	19-Jun-12	ECOBEE INC.
ECOBEE	6-Feb-08	77/390,082	3,710,918	17-Nov-09	ECOBEE INC.
ECOBEE (and Design)	6-Feb-08	77/390,141	3,795,396	1-Jun-10	ECOBEE INC.
DATARHYTHM	29-Aug-12	85/715922	4,585,057	12 Aug-15	ECOBEE INC.
ECOBEE SMART THERMOSTAT	8-Dec-11	85/490282	4,212,997	25-Sept-12	ECOBEE INC.
ECOBEE SMART	8-Dec-11	85/490252	4,451,834	17-Dec-13	ECOBEE INC.
ECOBEE EMS	8-Apr-11	85/490325	4201387	4-Sept-12	ECOBEE INC.
ECOBEE3	10-Apr-14	86/249171	4,757,295	16-Jun-15	ECOBEE INC.
FOR HOMES WITH MORE THAN ONE ROOM	9-Jul-15	86/249173	4,797,795	25-Aug-15	ECOBEE INC.
DONATE YOUR DATA	3-Jul-16	87/180894	5,509,131	3-Jul-18	ECOBEE INC.
ECOBEE3 LITE	6-Mar-17	87360243	5,778,367	18-Jun-19	ECOBEE INC.
ECOBEE4	6-Mar-17	87/359580	N/A	N/A	ECOBEE INC.
SWITCH+	8-Feb-18	87/790524	N/A	N/A	ECOBEE INC.
WHOLE HOME VOICE	31-Aug-17	87/591544	N/A	N/A	ECOBEE INC.
ECOBEE SWITCH+	8-FEB-18	87/790509	N/A	N/A	ECOBEE INC.
ECOBEE HAVEN	24-MAR-20	88/845798	N/A	N/A	ECOBEE INC.
Bee logo (Design)	6-Mar-17	87/359562	5,296,228	26-Sep-17	ECOBEE INC.

TRADEMARK REEL: 007532 FRAME: 0424

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None.

## **PATENTS**

## PATENTS - CANADA

### Design

D1507CA00	D1459CA00	D1389CA00	D1387CA00	
CANADA	CANADA	CANADA	CANADA	Country
2019-06-27	2018-04-27	2017-10-27	2017-08-31	Application Date
REMOTE SENSOR DEVICE	SWITCH WITH TRIM PLATE	SWITCH WITH TRIM PLATE	THERMOSTAT DEVICE WITH TRIM PLATE	Title Text
188481	181086	177893	176743	Application Number
	181086	177893	176743	Registration Number
	2019-04-23	2019-04-23	2018-07-05	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	Status

### **Patent**

P6912CA00	P6163CA00	PCK Reference
CANADA	CANADA	Country
2019-11-08	2017-10-02	Application Date
COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	Fille Text
3063045	2981023	Application Number
		Registration Number
		Registration Date
PENDING	ANNUITY DEADLINE	Status

## PATENTS - U.S.A.

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P7614CA00	P7565CA00	P7564CA00	P7562CA00	P7207CA00	P7163CA00	PCK Reference
CANADA	CANADA	CANADA	CANADA	CANADA	CANADA	Сониту
2019-04-05	2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-08-24	Application Date
CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	Title Text
3039300	3037170	3037177	3037165	3018288	3015330	Application Number
						Registration Number
						Registration Date
PENDING	PENDING	PENDING	PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	Status

### Design

	Country	Application Date	Tille Feet	Application Number	Registration Number	Registration Date	Status
D1194US00	UNITED STATES	2013-10-22	THERMOSTAT DEVICE WITH LOW PROFILE TRIM PLATE	29/470529	D734178	2015-07-14	ISSUED
D1387US00	UNITED STATES	2017-04-07	THERMOSTAT DEVICE	29/599864	D833893	2018-11-20	denssi
D1387US01	UNITED STATES	2018-09-21	THERMOSTAT DEVICE WITH TRIM PLATE	29/664127			<b>Ganssi</b>
D1389US01	UNITED STATES	2018-03-21	SWITCH WITH	29/641301			danssi
D1389US02	UNITED STATES	2019-05-23	SWITCH WITH TRIM PLATE	29/692228			RESPONSE TO OA
D1507US00	UNITED STATES	2018-12-31	REMOTE SENSOR DEVICE	29/675346			DECS/ASSIGNME NTS TO BE FILED
D1512US00	UNITED STATES	2019-02-13	CAMERA DEVICE AND STAND	29/680117			PENDING
D1516US00	UNITED STATES	2019-02-28	SWITCH WITH TRIM PLATE	29/681876			ISSUED
D1574US00	UNITED STATES	2020-01-10	CONTACT SENSORS FOR DOORS AND WINDOWS	29/720269			CONVENTION

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P6163US02	P6163US01	P6163US00	P3396US00	P3213US00	P3212US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-07-22	2018-01-24	2016-10-13	2012-01-10	2011-07-11	2011-07-11	Application Date
CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	CONTROL DEVICE WITH BULK HEATING COMPENSATION	CONTROL DEVICE WITH CURRENT PROTECTED SOLID STATE RELAYS	HVAC CONTROLLER WITH DEVICE SCHEDULING PROGRAM	HVAC CONTROLLER WITH DYNAMIC TEMPERATURE COMPENSATION	HVAC CONTROLLER WITH PREDICTIVE SET-POINT CONTROL	Title Fext
16/518102	15/878977	15/292648	13/347105	13/179912	13/179770	Application Number
		10215432	8965585	9016593	9696052	Registration Number
		2019-02-26	2015-02-24	2015-04-28	2017-07-04	Registration Date
PENDING	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

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P7565US01	P7564US01	P7562US01	P7207US01	P7207US01	P7163US01	P6912US01	P6912US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2019-03-19	2019-03-19	2019-03-19	2018-09-24	2018-09-24	2018-08-24	2019-04-23	2017-05-10	Application Date
SMART LIGHT SWITCH WITH VACATION MODE	SMART LIGHT SWITCH WITH INTEGRATED SCHEDULING	SMART LIGHT SWITCH WITH TEMPERATURE SENSING	LEAK DETECTOR WITH SENSING CABLE	LEAK DETECTOR WITH SENSING CABLE	HVAC SIGNALING OVER A TWO- WIRE CONNECTION	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	COMPUTERIZED DEVICE WITH VOICE COMMAND INPUT CAPABILITY	Title Text
16/357989	16/357912	16/357762	16/139548	16/139548	16/111384	16/391406	15/591188	Application Number
							10311870	Registration Number
							2019-06-04	Registration Date
FINAL FEE DEADLINE	RESPONSE TO FINAL OA (2-MONTH DEADLINE)	PENDING	RESPONSE TO OA	DECS/TO BE FILED	RESPONSE TO OA	FINAL FEE DEADLINE	ISSUED	Statis

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P8344US02	P8344US01	P8344US00	P8343US00	P7614US01	P756SUS01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-08-10	2016-02-09	2015-11-23	2008-06-09	2019-04-05	2019-03-19	Application Date
DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	SYSTEM AND METHOD TO ROUTE AIRFLOW USING DYNAMICALLY CHANGING DUCTS	CONTROL DEVICE FOR HVAC FAN COIL UNITS	SMART LIGHT SWITCH WITH VACATION MODE	litie Text
15/233366	15/018943	14/948674	12/135239	16/376029	16/357989	Application Number
9909772	9473321	10250403	9008844			Registration Number
2018-03-06	2016-10-18	2019-04-02	2015-04-14			Registration Date
ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	DECS/ASSIGNME NTS TO BE FILED	DECLARATION/ ASSIGNMENT TO BE FILED	Status

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PCK Reference	Country	Application Date	Title Text	Application Number	Registration Number	Registration Date	Status
P8344US03	UNITED STATES	2017-08-14	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	15/675819	10072866	2018-09-11	ISSUED
P8344US04	UNITED STATES	2019-02-28	DYNAMIC CONTROL OF SMART HOME USING WEARABLE DEVICE	16/289051			RESPONSE TO OA
P8345US00	UNITED STATES	2012-08-01	MULTI- DIMENSIONAL HEATING AND COOLING SYSTEM	13/564006	9152154	2015-10-06	ISSUED
P8346US00	UNITED STATES	2012-07-02	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	13/540012	9161419	2015-10-13	ISSUED
P8346US01	UNITED STATES	2015-08-06	INTELLIGENT AND COORDINATED LIGHTING OF A LIGHTING DEVICE	14/819555	9854645	2117-12-26	ISSUED
P8348US00	UNITED STATES	2013-01-30	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	13/754824	9196103	2015-11-24	ISSUED
P8348US01	UNITED STATES	2015-10-21	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	14/918882	9982472	2018-05-29	ISSUED

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P8356US01	P8356US00	P8349US01	P8349US00	P8348US02	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-01-25	2012-11-13	2012-09-06	2012-04-13	2018-03-08	Application Date
AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	AUTOMATED AUTHORIZATIO N TO ACCESS SURVEILLANCE VIDEO BASED ON PRE- SPECIFIED EVENTS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	CONTROLLING COMMUNICATI ON AMONG MULTIPLE INDUSTRIAL CONTROL SYSTEMS	ENTRY TECHNOLOGY FOR BUILDING AUTOMATION	litle Text
13/675429	13/675429	13/604678	13/446172	15/915924	Application Number
9041812	9041812	8732270	8872638	10309145	Registration Number
2015-11-17	2015-05-26	2014-05-20	2014-10-28	2019-06-04	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

TRADEMARK REEL: 007532 FRAME: 0434

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P8367US00	P8366US00	P8362US00	P8359US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2014-09-30	2009-05-27	2005-10-24	2009-11-20	Application Date
REMOTE OBJECT SENSING IN VIDEO	MONITORING PATTERNS OF MOTION	SYSTEM, METHOD AND PROGRAM PRODUCT FOR HOUSE AUTOMATION	SYSTEM FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, METHOD FOR ASSISTING WITH EXECUTION OF ACTIONS IN RESPONSE TO DETECTED EVENTS, ASSISTING DEVICE, AND COMPUTTER PROGRAM	Title Text
14/502110	12/473181	11/257290	12/622455	Application Number
9270940	8081082	7308321	8516499	Registration Number
2016-02-23	2011-12-20	2007-12-11	2013-08-20	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	Status

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P8375US02	P8375US01	P8375US00	P8368US01	P8368US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2017-03-22	2013-01-25	2012-11-13	2008-06-04	2006-06-16	Application Date
DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	DISTRIBUTED CONTROL OF A HETEROGENEO US VIDEO SURVEILLANCE NETWORK	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	METHOD FOR SPATIO- TEMPORAL EVENT DETECTION USING COMPOSITE DEFINITIONS FOR CAMERA SYSTEMS	Title Text
15/465756	13/751013	13/675348	12/132890	11/455210	Application Number
	9681104	9681103	8134457	7468662	Registration Number
	2017-06-13	2017-06-13	2012-03-13	2008-12-23	Registration Date
PENDING	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8378US02	P8378US01	P8378US00	P8377US01	P8377US00	P8376US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-05-04	2016-05-04	2014-05-22	2008-07-24	2007-12-10	2009-04-08	Application Date
IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	IDENTIFYING A CHANGE IN A HOME ENVIRONMENT	NOTIFYING USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	NOTIFYING USERS OF USERS OF DEVICE EVENTS IN A NETWORKED ENVIRONMENT	GROUP AWARE TRACKING OF PERSONAL PROPERTY WITHIN A BOUNDED ZONE	File Text
15/146330	15/146378	14/284581	12/179147	11/953554	12/420652	Application Number
0657866	9978290	9355547	7791472	7432805	8164443	Registration Number
2018-05-29	2018-05-22	2016-05-31	2010-09-07	2008-10-07	2012-04-24	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

P8408US00	P8407US00	P8405US01	P8405US00	P8404US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-11-14	2004-06-02	2016-05-12	2015-12-30	2012-10-08	Application Date
DYNAMIC TEMPERATURE CONTROL FOR A ROOM CONTAINING A GROUP OF PEOPLE	METHOD AND APPARATUS FOR REMOTE COMMAND, CONTROL AND DIAGNOSTICS OF SYSTEMS USING CONVERSATION AL OR AUDIO INTERFACE	PRO-ACTIVE BUILDING PROTECTION SYSTEM	PRO-ACTIVE BUILDING PROTECTION SYSTEM	MONITORING USER POSITION TO DETERMINE A TIME FOR PROVIDING A SPECIFIED STATE AT A USER PREMISES	Title Text
13/676545	10/858083	15/152606	14/985068	13/647234	Application Number
9465392	8224649	9483933	9382747	9377791	Registration Number
2016-10-11	2012-07-17	2016-11-01	2016-07-05	2016-06-28	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8412US00	P8411US01	P8411US00	P8410US00	P8409US01	P8409US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2013-03-14	2016-11-11	2016-03-14	2009-03-12	2012-09-14	2006-02-07	Application Date
INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	INTELLIGENT THERMOSTAT CONTROL SYSTEM	INTELLIGENT THERMOSTAT CONTROL SYSTEM	VIDEO PATTERN RECOGNITION FOR AUTOMATING EMERGENCY SERVICE INCIDENT AWARENESS AND RESPONSE	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	METHOD FOR PROVIDING A BROADCAST ENCRYPTION BASED HOME SECURITY SYSTEM	Title Text
13/826419	15/349114	15/068921	12/402626	13/620042	11/348902	Application Number
9599973	9772115	9574786	8368754	8724811	8325923	Registration Number
2017-03-21	2017-09-26	2017-02-21	2013-02-05	2014-05-13	2012-12-04	Registration Date
ANNUITY DEADLINE	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	ISSUED	Status

P8417US00	P8416US00	P8414US01	P8413US00	P8412US01	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2016-10-26	2016-04-28	2005-07-28	2016-09-21	2013-08-20	Application Date
AUTOMATED NOTIFICATION MUTING RESPONSIVE TO PREDICTED LOCATION	FINE TUNING APPLICATION BEHAVIOR USING APPLICATION ZONES	SYSTEM AND METHOD FOR ALARM GENERATION BASED ON THE DETECTION OF THE PRESENCE OF A PERSON	SURVEILLANCE DETECTION BASED ON AN IDENTIFICATIO N OF A CARRIED MOBILE DEVICE	INTERACTIVE ENERGY DEVICE FOR ENVIRONMENT AL STEWARDSHIP	Title Text
15/334330	15/141606	11/495334	15/271362	13/971251	Application Number
9756607	9733996	7554444	9693181	9733630	Registration Number
2017-09-05	2017-08-15	2009-06-30	2017-06-27	2017-08-15	Registration Date
ISSUED	ISSUED	ANNUITY DEADLINE	ANNUITY DEADLINE	ISSUED	Status

P8421US01	P8421US00	P8419US01	P8419US00	P8418US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2012-08-16	2007-01-11	2017-10-03	2016-10-24	2011-02-28	Application Date
AMBIENT PRESENTATION OF SURVEILLANCE DATA	AMBIENT PRESENTATION OF SURVEILLANCE DATA	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	LOCATION SPECIFIC IMAGE BASED AUTHENTICATI ON	MANAGING EMERGENCY RESPONSE SERVICES USING MOBILE COMMUNICATI ON DEVICES	Title Text
13/587038	11/622132	15/723468	15/332501	13/036612	Application Number
8860812	8704893	10055569	9811653	8576066	Registration Number
2014-10-14	2014-04-22	2018-08-21	2017-11-07	2013-11-05	Registration Date
ISSUED	ISSUED	ISSUED	ISSUED	ISSUED	Status

P8425US00	P8424US00	P8423US00	P8422US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2006-06-30	2012-01-11	2011-03-21	2012-07-31	Application Date
APPARATUS AND METHOD FOR MEASURING THE ACCURATE POSITION OF MOVING OBJECTS IN AN INDOOR ENVIRONMENT	MANAGING ENVIRONMENT AL CONTROL SYSTEM EFFICIENCY	CONTROLLING AND MINIMIZING ELECTRICAL POWER CONSUMED BY ELECTRICAL COMPONENTS CONNECTED TO A NETWORKED COMPUTING ENVIRONMENT	METHOD FOR ON-DEMAND ENERGY SAVINGS BY LOWERING POWER USAGE OF AT LEAST ONE STORAGE DEVICE IN A MULTI-TIERED STORAGE SYSTEM	Title Text
13/348347		13/052754	13/562626	Application Number
9024765		8738943	8700932	Registration Number
2010-07-20	2015-05-05	2014-05-27	2014-04-14	Registration Date
ISSUED		ISSUED	ISSUED	Status

Notice of Security Interest in Intellectual Property

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P9481US00	P8898US00	P8430US01	P8430US00	P8429US01	P8429US00	PCK Reference
UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	Country
2020-03-26	2019-09-09	2009-11-06	2007-01-30	2013-01-25	2012-11-13	Application Date
THERMOSTAT DEVICE WITH IMPROVED ENERGY OPTIMIZATION	LIGHT SWITCH SYSTEM	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PERVASIVE NETWORK FOR ENVIRONMENT AL SENSING	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	PROVIDING EMERGENCY ACCESS TO SURVEILLANCE VIDEO	litle Text
62/994937	62/897466	12/613758	11/668604	13/751023	13/675391	Application Number
		8805613	8762060	9071807	8934754	Registration Number
		2014-08-12	2014-06-24	2015-06-30	2015-01-13	Registration Date
	CONVENTION DEADLINE	ISSUED	ISSUED	ISSUED	ISSUED	Status