TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM421212

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Logic PD, Inc.		02/03/2017	Corporation:

RECEIVING PARTY DATA

Name:	Associated Bank, National Association
Street Address:	45 South Seventh Street, Suite 2900
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55402
Entity Type:	National Banking Association: UNITED STATES

PROPERTY NUMBERS Total: 9

Property Type	Number	Word Mark
Registration Number:	3922346	ZOOM
Registration Number:	4254885	THE SMARTER WAY TO INNOVATE
Registration Number:	4247058	THE SMARTER WAY TO INNOVATE
Registration Number:	4259383	WATTSON
Registration Number:	4305627	LOGIC PD
Registration Number:	4095282	LOGIC PD
Registration Number:	4095281	LOGIC PD
Registration Number:	3765955	LOGIC
Registration Number:	3964779	ZOOM

OP $240.00 3922346

CORRESPONDENCE DATA

Fax Number: 6123322740

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: 6123321030
Email: sabbas@losgs.com
Correspondent Name: JOSEPH J. DEUHS, JR.
Address Line 1: 100 South Fifth Street, Suite 2500
Address Line 4: Minneapolis, MINNESOTA 55402

NAME OF SUBMITTER:	Joseph J. Deuhs, Jr.

SIGNATURE:	/joseph j. deuhs, jr./
DATE SIGNED:	03/27/2017

Total Attachments: 46

source=Intellectual Property Security Agreement 2017-02-06#page1.tif
source=Intellectual Property Security Agreement 2017-02-06#page2.tif
source=Intellectual Property Security Agreement 2017-02-06#page3.tif
source=Intellectual Property Security Agreement 2017-02-06#page4.tif
source=Intellectual Property Security Agreement 2017-02-06#page5.tif
source=Intellectual Property Security Agreement 2017-02-06#page6.tif
source=Intellectual Property Security Agreement 2017-02-06#page7.tif
source=Intellectual Property Security Agreement 2017-02-06#page8.tif
source=Intellectual Property Security Agreement 2017-02-06#page9.tif
source=Intellectual Property Security Agreement 2017-02-06#page10.tif
source=Intellectual Property Security Agreement 2017-02-06#page11.tif
source=Intellectual Property Security Agreement 2017-02-06#page12.tif
source=Intellectual Property Security Agreement 2017-02-06#page13.tif
source=Intellectual Property Security Agreement 2017-02-06#page14.tif
source=Intellectual Property Security Agreement 2017-02-06#page15.tif
source=Intellectual Property Security Agreement 2017-02-06#page16.tif
source=Intellectual Property Security Agreement 2017-02-06#page17.tif
source=Intellectual Property Security Agreement 2017-02-06#page18.tif
source=Intellectual Property Security Agreement 2017-02-06#page19.tif
source=Intellectual Property Security Agreement 2017-02-06#page20.tif
source=Intellectual Property Security Agreement 2017-02-06#page21.tif
source=Intellectual Property Security Agreement 2017-02-06#page22.tif
source=Intellectual Property Security Agreement 2017-02-06#page23.tif
source=Intellectual Property Security Agreement 2017-02-06#page24.tif
source=Intellectual Property Security Agreement 2017-02-06#page25.tif
source=Intellectual Property Security Agreement 2017-02-06#page26.tif
source=Intellectual Property Security Agreement 2017-02-06#page27.tif
source=Intellectual Property Security Agreement 2017-02-06#page28.tif
source=Intellectual Property Security Agreement 2017-02-06#page29.tif
source=Intellectual Property Security Agreement 2017-02-06#page30.tif
source=Intellectual Property Security Agreement 2017-02-06#page31.tif
source=Intellectual Property Security Agreement 2017-02-06#page32.tif
source=Intellectual Property Security Agreement 2017-02-06#page33.tif
source=Intellectual Property Security Agreement 2017-02-06#page34.tif
source=Intellectual Property Security Agreement 2017-02-06#page35.tif
source=Intellectual Property Security Agreement 2017-02-06#page36.tif
source=Intellectual Property Security Agreement 2017-02-06#page37.tif
source=Intellectual Property Security Agreement 2017-02-06#page38.tif
source=Intellectual Property Security Agreement 2017-02-06#page39.tif
source=Intellectual Property Security Agreement 2017-02-06#page40.tif
source=Intellectual Property Security Agreement 2017-02-06#page41.tif
source=Intellectual Property Security Agreement 2017-02-06#page42.tif
source=Intellectual Property Security Agreement 2017-02-06#page43.tif
source=Intellectual Property Security Agreement 2017-02-06#page44.tif

source=Intellectual Property Security Agreement 2017-02-06#page45.tif
source=Intellectual Property Security Agreement 2017-02-06#page46.tif

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT ("**IP Security Agreement**"), dated as of February 3, 2017, is made by and among Logic PD, Inc., a Minnesota corporation (the "**Grantor**") and Associated Bank, National Association, a national banking association (the "**Secured Party**").

WHEREAS, the Grantor has entered into a Credit Agreement dated as of February 25, 2011 (as amended the "**Credit Agreement**"), with the Secured Party.

WHEREAS, as a condition precedent to the making of loans by the Secured Party under the Credit Agreement, the Grantor has executed and delivered to the Secured Party that certain Security Agreement dated as of February 25, 2011 made by and between the Grantor and the Secured Party (the "**Security Agreement**").

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Secured Party, a security interest in, among other property, certain intellectual property of the Grantor, and has agreed to execute and deliver this IP Security Agreement, for recording with national, federal and state government authorities, including, but not limited to, the United States Patent and Trademark Office and the United States Copyright Office.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor agrees with the Secured Party as follows:

1. Grant of Security. The Grantor hereby pledges and grants to the Secured Party a security interest in and to all of the right, title and interest of the Grantor in, to and under the following (the "**IP Collateral**"):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions and reexaminations thereof and amendments thereto (the "**Patents**");

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use thereof and symbolized thereby and all extensions and renewals thereof (the "**Trademarks**") excluding only United States intent-to-use trademark applications to the extent that, and solely during the period in which, the

grant, attachment or enforcement of a security interest therein would, under applicable federal law, impair the registrability of such applications or the validity or enforceability of registrations issuing from such applications;

(c) the copyright registrations, applications and copyright registrations and applications exclusively licensed to the Grantor set forth in Schedule 3 hereto, and all extensions and renewals thereof (the "**Copyrights**");

(d) all rights of any kind whatsoever of the Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(e) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(f) any and all claims and causes of action with respect to any of the foregoing, whether occurring before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. The Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this IP Security Agreement upon request by the Secured Party.

3. Loan Documents. This IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Secured Party with respect to the IP Collateral are as provided by the Credit Agreement, the Security Agreement and related documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.

5. Successors and Assigns. This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This IP Security Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Minnesota, without giving effect to any choice or conflict of law provision or rule (whether of the State of Minnesota or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

GRANTOR:

Logic PD, Inc., a Minnesota Corporation

By: Sandeson Bell

Name: SANDGREN BELL
Title: Chief Financial Officer
Address for Notices: 6201 Bury Drive, Eden Prairie, MN 55546

SECURED PARTY:

Associated Bank, National Association, a national banking association

By:

Name: Alison K Trosino
Title: Senior Vice President
Address for Notices: 45 South Seventh Street, Suite 2900 Minneapolis, MN 55402

SCHEDULES

SCHEDULE 1

PATENTS AND PATENT APPLICATIONS

United States Patent
Larson , et al.

9,313,099
April 12, 2016

**Please see Images for: (Certificate of Correction) **

Systems, devices and methods for provisioning, pairing and activating a newly manufactured device for automatic joining of customer's network

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Further, the user account, or accounts, for the use of the device is both active and recorded for billing by the various service providers supporting the device use, i.e., the communication network provider(s).

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Logic PD, **Inc.**	Eden Prairie	MN	US	

Assignee: *Logic PD,* **Inc.** (Eden Prairie, MN)

Family ID: **48780767**
Appl. No.: **13/686,241**
Filed: **November 27, 2012**

Prior Publication Data

Document Identifier	Publication Date

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586368	Jan 13, 2012		
61586385	Jan 13, 2012		

Current U.S. Class: 1/1

Current CPC Class: H04L 41/0886 (20130101); H04L 41/0806 (20130101); H04W 8/245 (20130101); H04W 4/001 (20130101); G06K 7/1417 (20130101); H04W 4/005 (20130101)

Current International Class: H04L 12/24 (20060101); H04W 8/18 (20090101); H04W 4/00 (20090101); G06F 17/30 (20060101); H04W 76/02 (20090101)

Field of Search: ;709/220 ;455/418,419,550.1

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
5887253	March 1999	O'Neil et al.
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.
7353017	April 2008	Chen et al.
7447751	November 2008	Wing et al.
7496349	February 2009	Gailloux et al.
7548746	June 2009	Kalke
7634551	December 2009	Tredoux et al.
7779125	August 2010	Wyngarden

United States Patent
Larson , et al.

8,857,705
October 14, 2014

Methods for embedding device-specific data to enable remote identification and provisioning of specific devices

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Device-specific data is, at manufacture, encoded onto machine-readable labels and complied in a table within a remote database. The present invention thus allows identification and provisioning of individual devices using a mobile device such as a smartphone or the like.

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Larson; Kurt T.	Plymouth	MN	US	
Feraru; Eugen	Prior Lake	MN	US	
Tilstra; Michael	Apple Valley	MN	US	
Benson; Mark	Plymouth	MN	US	
Tilstra; Matthew	Rogers	MN	US	
Hilden; Matthew	Robbinsdale	MN	US	
Klein; Nick	Coon Rapids	MN	US	
Nelson; Scott A.	Eagan	MN	US	

Assignee: ***Logic PD,*** **Inc.** (Eden Prairie, MN)

Family ID: 48869406

Appl. No.: 13/739,435
Filed: January 11, 2013

Prior Publication Data

Document Identifier	Publication Date
US 20130193203 A1	Aug 1, 2013

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586470	Jan 13, 2012		
61586439	Jan 13, 2012		
61586397	Jan 13, 2012		
61586385	Jan 13, 2012		
61586368	Jan 13, 2012		

Current U.S. Class:	**235/375**; 235/462.13
Current CPC Class:	H04W 76/02 (20130101); H04W 8/265 (20130101); H04W 4/003 (20130101)
Current International Class:	G06F 17/00 (20060101)
Field of Search:	;235/375,487,462.13

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.

United States Patent
Larson , et al.

8,857,704
October 14, 2014

Methods for embedding device-specific data to enable remote access to real time device data

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. The device is capable of monitoring operational and/or environmental parameters comprising physical and/or chemical data which may be monitored by a mobile device. The mobile device may also initiate modification of the manufactured device's parameters.

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Logic PD, Inc.	Eden Prairie	MN	US	

Assignee: *Logic PD,* Inc. (Eden Prairie, MN)

Family ID: 48902033
Appl. No.: 13/739,396
Filed: January 11, 2013

Prior Publication Data

Document Identifier	Publication Date
US 20130200142 A1	Aug 8, 2013

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586439	Jan 13, 2012		
61586397	Jan 13, 2012		
61586368	Jan 13, 2012		
61586385	Jan 13, 2012		

Current U.S. Class:	**235/375**
Current CPC Class:	H04L 41/0806 (20130101); G06F 17/30283 (20130101); H04W 4/001 (20130101); H04W 4/003 (20130101)
Current International Class:	G06F 17/00 (20060101)
Field of Search:	;235/375

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.
7353017	April 2008	Chen et al.
7447751	November 2008	Wing et al.
7496349	February 2009	Gailloux et al.
7548746	June 2009	Kalke
7634551	December 2009	Tredoux et al.
7779125	August 2010	Wyngarden
7861009	December 2010	Skinner
7865140	January 2011	Levien et al.
7885858	February 2011	Mehta et al.

United States Patent **9,313,099**
Larson , et al. **April 12, 2016**

**Please see images for: (Certificate of Correction) **

Systems, devices and methods for provisioning, pairing and activating a newly manufactured device for automatic joining of customer's network

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Further, the user account, or accounts, for the use of the device is both active and recorded for billing by the various service providers supporting the device use, i.e., the communication network provider(s).

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Logic PD, Inc.	Eden Prairie	MN	US	

Assignee: ***Logic PD,* Inc.** (Eden Prairie, MN)

Family ID: **48780767**
Appl. No.: **13/686,241**
Filed: **November 27, 2012**

Prior Publication Data

Document Identifier	Publication Date

US 20130185400 A1 Jul 18, 2013

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586368	Jan 13, 2012		
61586385	Jan 13, 2012		

Current U.S. Class: 1/1

Current CPC Class: H04L 41/0886 (20130101); H04L 41/0806 (20130101); H04W 8/245 (20130101); H04W 4/001 (20130101); G06K 7/1417 (20130101); H04W 4/005 (20130101)

Current International Class: H04L 12/24 (20060101); H04W 8/18 (20090101); H04W 4/00 (20090101); G06F 17/30 (20060101); H04W 76/02 (20090101)

Field of Search: ;709/220 ;455/418,419,550.1

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
5887253	March 1999	O'Neil et al.
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.
7353017	April 2008	Chen et al.
7447751	November 2008	Wing et al.
7496349	February 2009	Gailloux et al.
7548746	June 2009	Kalke
7634551	December 2009	Tredoux et al.
7779125	August 2010	Wyngarden

United States Patent **8,857,705**
Larson , et al. **October 14, 2014**

Methods for embedding device-specific data to enable remote identification and provisioning of specific devices

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Device-specific data is, at manufacture, encoded onto machine-readable labels and complied in a table within a remote database. The present invention thus allows identification and provisioning of individual devices using a mobile device such as a smartphone or the like.

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Larson; Kurt T.	Plymouth	MN	US	
Feraru; Eugen	Prior Lake	MN	US	
Tilstra; Michael	Apple Valley	MN	US	
Benson; Mark	Plymouth	MN	US	
Tilstra; Matthew	Rogers	MN	US	
Hilden; Matthew	Robbinsdale	MN	US	
Klein; Nick	Coon Rapids	MN	US	
Nelson; Scott A.	Eagan	MN	US	

Assignee: ***Logic PD,*** **Inc.** (Eden Prairie, MN)

Family ID: **48869406**

Appl. No.: 13/739,435
Filed: January 11, 2013

Prior Publication Data

Document Identifier	Publication Date
US 20130193203 A1	Aug 1, 2013

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586470	Jan 13, 2012		
61586439	Jan 13, 2012		
61586397	Jan 13, 2012		
61586385	Jan 13, 2012		
61586368	Jan 13, 2012		

Current U.S. Class:	**235/375**; 235/462.13
Current CPC Class:	H04W 76/02 (20130101); H04W 8/265 (20130101); H04W 4/003 (20130101)
Current International Class:	G06F 17/00 (20060101)
Field of Search:	;235/375,487,462.13

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.

United States Patent **8,857,704**
Larson , et al. **October 14, 2014**

Methods for embedding device-specific data to enable remote access to real time device data

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. The device is capable of monitoring operational and/or environmental parameters comprising physical and/or chemical data which may be monitored by a mobile device. The mobile device may also initiate modification of the manufactured device's parameters.

Inventors: **Larson; Kurt T.** (Plymouth, MN), **Feraru; Eugen** (Prior Lake, MN), **Tilstra; Michael** (Apple Valley, MN), **Benson; Mark** (Plymouth, MN), **Tilstra; Matthew** (Rogers, MN), **Hilden; Matthew** (Robbinsdale, MN), **Klein; Nick** (Coon Rapids, MN), **Nelson; Scott A.** (Eagan, MN)

Applicant:

Name	City	State	Country	Type
Logic PD, Inc.	Eden Prairie	MN	US	

Assignee: ***Logic PD,* Inc.** (Eden Prairie, MN)

Family ID: **48902033**
Appl. No.: **13/739,396**
Filed: **January 11, 2013**

Prior Publication Data

Document Identifier	Publication Date
US 20130200142 A1	Aug 8, 2013

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
61640162	Apr 30, 2012		
61586439	Jan 13, 2012		
61586397	Jan 13, 2012		
61586368	Jan 13, 2012		
61586385	Jan 13, 2012		

Current U.S. Class: 235/375

Current CPC Class: H04L 41/0806 (20130101); G06F 17/30283 (20130101); H04W 4/001 (20130101); H04W 4/003 (20130101)

Current International Class: G06F 17/00 (20060101)

Field of Search: ;235/375

References Cited [Referenced By]

U.S. Patent Documents

5870667	February 1999	Globuschutz
6012088	January 2000	Li et al.
6259367	July 2001	Klein
6330977	December 2001	Hass et al.
6662221	December 2003	Gonda et al.
6845097	January 2005	Haller et al.
6973095	December 2005	Carrel et al.
7055737	June 2006	Tobin et al.
7069113	June 2006	Matsuoka et al.
7146159	December 2006	Zhu
7222791	May 2007	Heilper et al.
7284208	October 2007	Matthews
7336175	February 2008	Howarth et al.
7352853	April 2008	Shen et al.
7353017	April 2008	Chen et al.
7447751	November 2008	Wing et al.
7496349	February 2009	Gailloux et al.
7548746	June 2009	Kalke
7634551	December 2009	Tredoux et al.
7779125	August 2010	Wyngarden
7861009	December 2010	Skinner
7865140	January 2011	Levien et al.
7885858	February 2011	Mehta et al.

US PATENT & TRADEMARK OFFICE

PATENT APPLICATION FULL TEXT AND IMAGE DATABASE

United States Patent Application **20130185400**
Kind Code **A1**
Larson; Kurt T. ; et al. **July 18, 2013**

SYSTEMS, DEVICES AND METHODS FOR PROVISIONING, PAIRING AND ACTIVATING A NEWLY MANUFACTURED DEVICE FOR AUTOMATIC JOINING OF CUSTOMER'S NETWORK

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Further, the user account, or accounts, for the use of the device is both active and recorded for billing by the various service providers supporting the device use, i.e., the communication network provider(s).

Inventors: **Larson; Kurt T.**; *(Plymouth, MN)* ; **Feraru; Eugen**; *(Prior Lake, MN)* ; **Tilstra; Michael**; *(Apple Valley, MN)* ; **Benson; Mark**; *(Minneapolis, MN)* ; **Tilstra; Matthew**; *(Rogers, MN)* ; **Hilden; Matthew**; *(Robbinsdale, MN)* ; **Klein; Nick**; *(Minneapolis, MN)* ; **Nelson; Scott A.**; *(Minneapolis, MN)*

Applicant: **Name** **City** **State Country Type**

***Logic PD*, Inc.**; Eden Prairie MN US

Family ID: **48780767**
Appl. No.: **13/686241**
Filed: **November 27, 2012**

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number
61640162	Apr 30, 2012	
61586368	Jan 13, 2012	
61586385	Jan 13, 2012	

Current U.S. Class:	**709/220**
Current CPC Class:	H04L 41/0886 20130101; H04L 41/0806 20130101; G06K 7/1417 20130101; H04W 8/245 20130101; H04W 4/001 20130101; H04W 4/005 20130101
Class at Publication:	**709/220**
International Class:	H04L 12/24 20060101 H04L012/24

Claims

1. A method for providing a remote device that automatically joins an end user's communication network when powered up, comprising: manufacturing a device with at least one network radio modem; providing provisioning and activation of the device with a communication network provider during the manufacturing and distribution process; providing provisioning and activating of the device with a cloud data services provider during the device manufacturing and distribution process; providing pairing of a user's account relating to the end user with the cloud data services provider during the manufacturing and distribution process; automatically joining the device with the cloud data services provider and the provisioned and activated communication network upon power up by the end user; and automatically joining the device with associated devices or sensors on additional device networks.

2. The method of claim 1, wherein the communication network comprises one of the group consisting of wide area network, local area network, personal area network and ethernet network.

3. The method of claim 2, wherein the wide area communication network comprises a wireless cellular network and/or a wifi network.

4. The method of claim 2, wherein the local area network comprises a satellite uplink network.

5. The method of claim 2, wherein the personal area communication network comprises a Bluetooth network, a ZigBee network, a 802.15.4 network, and/or a Near Field Communication network.

6. The method of claim 1, further comprising remotely monitoring the device after power up.

7. The method of claim 1, further comprising remotely controlling the device after power up

8. The method of claim 1, further comprising remotely actuating or de-actuating the device after power up.

9. A system for providing a networked remote device, comprising: providing a device with a network radio modem and having an optically scannable identification label with at least one unique identification data obtained during manufacture of the device encoded on the identification label; providing a device

United States Patent Application **20130193203**
Kind Code **A1**
Larson; Kurt T. ; et al. **August 1, 2013**

METHODS FOR EMBEDDING DEVICE-SPECIFIC DATA TO ENABLE REMOTE IDENTIFICATION AND PROVISIONING OF SPECIFIC DEVICES

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. Device-specific data is, at manufacture, encoded onto machine-readable labels and complied in a table within a remote database. The present invention thus allows identification and provisioning of individual devices using a mobile device such as a smartphone or the like.

Inventors: **Larson; Kurt T.**; *(Plymouth, MN)* ; **Fararu; Eugen**; *(Prior Lake, MN)* ; **Tilstra; Michael**; *(Apple Valley, MN)* ; **Benson; Mark**; *(Plymouth, MN)* ; **Tilstra; Matthew**; *(Rogers, MN)* ; **Hilden; Matthew**; *(Robbinsdale, MN)* ; **Klein; Nick**; *(Coon Rapids, MN)* ; **Nelson; Scott A.**; *(Eagan, MN)*

Applicant: **Name** **City** **State Country Type**

***Logic PD,* Inc.**; Eden Prairie MN US

Assignee: **Logic PD, Inc.**
Eden Prairie
MN

Family ID: **48869406**
Appl. No.: **13/739435**

Filed: **January 11, 2013**

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number
61640162	Apr 30, 2012	
61586470	Jan 13, 2012	
61586439	Jan 13, 2012	
61586397	Jan 13, 2012	
61586385	Jan 13, 2012	
61586368	Jan 13, 2012	

Current U.S. Class:	**235/375**
Current CPC Class:	H04W 76/02 20130101; H04W 4/003 20130101; H04W 8/265 20130101
Class at Publication:	**235/375**
International Class:	H04W 76/02 20060101 H04W076/02

Claims

1. A method for specifically identifying a remotely located device and then provisioning the identified device with a mobile device having internet access and scanning capability, comprising: manufacturing a device with at least one network radio modem; providing provisioning and activation of the device with a communication network provider during the manufacturing and distribution process; providing provisioning and activating of the device with a cloud data services provider during the device manufacturing and distribution process; providing pairing of a user's account relating to an end user with the cloud data services provider during the manufacturing and distribution process; automatically joining the device with the cloud data services provider and the provisioned and activated communication network upon power up by the end user; obtaining device-specific data for the manufactured device; embedding the device-specific data obtained on an optically scannable identification label; attaching the identification label to the manufactured device; entering the device-specific data in a database; scanning the identification label with the mobile device to identify the manufactured device in the database; and provisioning the identified manufactured device with the mobile device.

2. The method of claim 1, wherein the provisioning comprises powering up the identified manufactured device on and thereby enabling the identified manufactured device to automatically join with a device network.

3. The method of claim 2, wherein the provisioning comprises remotely monitoring the device with the mobile device after powering up the manufactured device.

4. The method of claim 1, wherein the provisioning comprises remotely controlling the manufactured device with the mobile device after power up.

United States Patent Application **20130200142**
Kind Code **A1**
Larson; Kurt T. ; et al. **August 8, 2013**

METHODS FOR EMBEDDING DEVICE-SPECIFIC DATA TO ENABLE REMOTE ACCESS TO REAL TIME DEVICE DATA

Abstract

The invention provides systems and methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. The device is capable of monitoring operational and/or environmental parameters comprising physical and/or chemical data which may be monitored by a mobile device. The mobile device may also initiate modification of the manufactured device's parameters.

Inventors: **Larson; Kurt T.**; *(Plymouth, MN)* ; **Feraru; Eugen**; *(Prior Lake, MN)* ; **Tilstra; Michael**; *(Apple Valley, MN)* ; **Benson; Mark**; *(Plymouth, MN)* ; **Tilstra; Matthew**; *(Rogers, MN)* ; **Hilden; Matthew**; *(Robbinsdale, MN)* ; **Klein; Nick**; *(Coon Rapids, MN)* ; **Nelson; Scott A.**; *(Eagan, MN)*

Applicant:	**Name**	**City**	**State**	**Country**	**Type**
	Logic PD, **Inc.**;	Eden Prairie	MN	US	

Assignee: **Logic PD, Inc.**
Eden Prairie
MN

Family ID: **48902033**
Appl. No.: **13/739396**
Filed: **January 11, 2013**

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number
61640162	Apr 30, 2012	
61586439	Jan 13, 2012	
61586397	Jan 13, 2012	
61586368	Jan 13, 2012	
61586385	Jan 13, 2012	

Current U.S. Class:	**235/375**
Current CPC Class:	H04L 41/0806 20130101; H04W 4/003 20130101; H04W 4/001 20130101; G06F 17/30283 20130101
Class at Publication:	**235/375**
International Class:	G06F 17/30 20060101 G06F017/30

Claims

1. A method for obtaining, with a mobile device having internet access and scanning capability, operational data from a remotely located device regarding the device, comprising: manufacturing a device with a network radio modem; providing provisioning and activation of the device with a communication network provider during the device manufacturing and distribution process wherein the communication network supplier supplies a network from one of the group consisting of: a wide area network, a local area network, a personal area network and an ethernet network. providing provisioning of the device with a cloud data services provider during the device manufacturing and distribution process; remotely locating the device from a user within a device network, the device and device network in operative communication with the communication network supplier and the cloud data services provider; automatically joining the device with the cloud data services provider and the communication network supplier upon power up by the end user; obtaining device-specific data for the manufactured device; embedding the device-specific data obtained on an optically scannable identification label; attaching the identification label to the manufactured device; entering the device-specific data in a database; scanning the identification label with the mobile device to obtain access to the manufactured device and to view the database data regarding the remotely located device; using the mobile device, powering up the accessed manufactured device; and using the mobile device, communicating with the device to obtain real time operational data.

2. The method of claim 1, wherein the real time operational data obtained comprises physical and/or chemical parameters that are controlled by the manufactured device.

3. The method of claim 2, wherein the mobile device may be used to modify the physical and/or chemical parameters that are controlled by the manufactured device.

4. The method of claim 1, wherein the wide area communication network comprises a wireless cellular network and/or a satellite uplink network.

United States Patent Application **20130210412**
Kind Code **A1**
Larson; Kurt T. ; et al. **August 15, 2013**

METHOD FOR EMBEDDING DEVICE-SPECIFIC DATA TO ENABLE PROVISIONING A DEVICE WITH A MOBILE DEVICE

Abstract

The invention provides methods for providing a unified single-scan user interface for accessing and managing a remotely located device throughout its life cycle, including cellular network provisioning, cloud data provider registration, initialization and activation, as well as providing end users with easy access to the device and its data. The end user simply powers the device on and the device automatically connects with the communication network and the cloud data provider. The device comes to the end user already provisioned and paired and activated with the cloud data provider and the communication network provider. The end user may provision the device by scanning an optically scannable identification label having device-specific data embedded thereon using a mobile device such as a smartphone or the like.

Inventors: **Larson; Kurt T.**; *(Plymouth, MN)* ; **Feraru; Eugen**; *(Prior Lake, MN)* ; **Tilstra; Michael**; *(Apple Valley, MN)* ; **Benson; Mark**; *(Playmouth, MN)* ; **Tilstra; Matthew**; *(Rogers, MN)* ; **Hilden; Matthew**; *(Robbinsdale, MN)* ; **Klein; Nick**; *(Coon Rapids, MN)* ; **Nelson; Scott A.**; *(Eagan, MN)*

Applicant: **Name** **City State Country Type**

Logic PD, Inc.; US

Assignee: ***Logic PD,* Inc.**
Eden Prairie
MN

Family ID: **48945993**
Appl. No.: **13/739354**
Filed: **January 11, 2013**

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number
61640162	Apr 30, 2012	
61586439	Jan 13, 2012	
61586368	Jan 13, 2012	
61586385	Jan 13, 2012	

Current U.S. Class:	**455/418**
Current CPC Class:	H04W 8/265 20130101; H04W 4/005 20130101; H04W 12/00 20130101; H04W 8/18 20130101
Class at Publication:	**455/418**
International Class:	H04W 8/18 20060101 H04W008/18

Claims

1. A method for providing a remote device that may be provisioned with a mobile device having internet access and scanning capability, comprising: manufacturing a device with at least one network radio modem; providing provisioning and activation of the device with a communication network provider during the manufacturing and distribution process; providing provisioning and activating of the device with a cloud data services provider during the device manufacturing and distribution process; providing pairing of a user's account relating to an end user with the cloud data services provider during the manufacturing and distribution process; automatically joining the device with the cloud data services provider and the provisioned and activated communication network upon power up by the end user; obtaining device-specific data for the manufactured device; embedding the device-specific data obtained on an optically scannable identification label; attaching the identification label to the manufactured device; entering the device-specific data in a database; scanning the identification label with the mobile device to obtain access to the manufactured device; using the mobile device, powering up the accessed manufactured device; and enabling automatically joining the accessed manufactured device with a device network.

2. The method of claim 1, wherein the communication network comprises one of the group consisting of wide area network, local area network, personal area network and ethernet network.

3. The method of claim 2, wherein the wide area communication network comprises a wireless cellular network and/or a wifi network.

4. The method of claim 2, wherein the local area network comprises a satellite uplink network.

5. The method of claim 2, wherein the personal area communication network comprises a Bluetooth network, a ZigBee network, a 802.15.4 network, and/or a Near Field Communication network.

6. The method of claim 1, further comprising remotely monitoring the device after power up.

SCHEDULE 2

TRADEMARK REGISTRATIONS AND APPLICATIONS

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

ZOOM

Word Mark	ZOOM
Goods and Services	IC 009. US 021 023 026 036 038. G & S: Mobile computer hardware and software development platform comprised of a software application framework and software development tools. FIRST USE: 20090216. FIRST USE IN COMMERCE: 20090216
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85005312
Filing Date	April 2, 2010
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	August 31, 2010
Registration Number	3922346
Registration Date	February 22, 2011
Owner	(REGISTRANT) Logic Product Development Company CORPORATION MINNESOTA Suite 101 411 Washington Ave North Minneapolis MINNESOTA 55402 (LAST LISTED OWNER) **LOGIC PD**, INC. CORPORATION MINNESOTA 411 WASHINGTON AVENUE N. SUITE 101 MINNEAPOLIS MINNESOTA 55401

Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	Michael T. Olsen
Type of Mark	TRADEMARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR).
Live/Dead Indicator	LIVE

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

THE SMARTER WAY TO INNOVATE

Word Mark	THE SMARTER WAY TO INNOVATE
Goods and Services	IC 042. US 100 101. G & S: Computer software and hardware development services for others, namely, developing computer chips, integrated circuit modules, printed circuit boards, digital signal processors, and field programmable gate array; engineering services, namely, mechanical, electrical, software and systems engineering services for others; industrial design services for others; custom design of computer chips, integrated circuit modules, printed circuit boards, digital signal processors, and field programmable gate array. FIRST USE: 20110900. FIRST USE IN COMMERCE: 20110900
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85408263
Filing Date	August 26, 2011
Current Basis	1A
Original Filing Basis	1B
Published for Opposition	February 7, 2012
Registration Number	4254885
Registration Date	December 4, 2012

Owner	(REGISTRANT) **Logic PD**, Inc. CORPORATION MINNESOTA Suite 101 411 Washington Ave North Minneapolis MINNESOTA 55401
Attorney of Record	Michael T. Olsen
Type of Mark	SERVICE MARK
Register	PRINCIPAL
Live/Dead Indicator	LIVE

TESS HOME | NEW USER | STRUCTURED | FREE FORM | BROWSE DICT | SEARCH OG | TOP | HELP | PREV LIST | CURR LIST
NEXT LIST | FIRST DOC | PREV DOC | NEXT DOC | LAST DOC

| HOME | SITE INDEX | SEARCH | eBUSINESS | HELP | PRIVACY POLICY

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

THE SMARTER WAY TO INNOVATE

Word Mark	THE SMARTER WAY TO INNOVATE
Goods and Services	IC 040. US 100 103 106. G & S: Electronic contract manufacturing services for others. FIRST USE: 20110900. FIRST USE IN COMMERCE: 20110900
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85406807
Filing Date	August 25, 2011
Current Basis	1A
Original Filing Basis	1B
Published for Opposition	February 7, 2012
Registration Number	4247058
Registration Date	November 20, 2012
Owner	(REGISTRANT) **Logic PD**, Inc. CORPORATION MINNESOTA Suite 101 411 Washington Ave North Minneapolis MINNESOTA 55401
Attorney of Record	Michael T. Olsen
Type of Mark	SERVICE MARK
Register	PRINCIPAL
Live/Dead Indicator	LIVE

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

WATTSON

Word Mark	WATTSON
Goods and Services	IC 009. US 021 023 026 036 038. G & S: Computer software for measuring and monitoring power for use in the development of software and hardware. FIRST USE: 20110513. FIRST USE IN COMMERCE: 20110513
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85318351
Filing Date	May 11, 2011
Current Basis	1A
Original Filing Basis	1B
Date Amended to Current Register	September 21, 2012
Registration Number	4259383
Registration Date	December 11, 2012
Owner	(REGISTRANT) **LOGIC PD**, INC. CORPORATION MINNESOTA Suite 101 411 Washington Ave North Minneapolis MINNESOTA 55401
Attorney of Record	Michael T. Olsen
Type of Mark	TRADEMARK
Register	SUPPLEMENTAL
Live/Dead Indicator	LIVE

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

LOGIC PD

Word Mark	**LOGIC PD**
Goods and Services	IC 009. US 021 023 026 036 038. G & S: Computer software and hardware, namely, application boards, card engines, microprocessors, computer cables, power supply and power adaptors. FIRST USE: 20120701. USED IN ANOTHER FORM The mark was first used anywhere in a different form other than that sought to be registered at least as early as 01/11/1999. FIRST USE IN COMMERCE: 20120701
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85116283
Filing Date	August 26, 2010
Current Basis	1A
Original Filing Basis	1B
Published for Opposition	November 22, 2011
Registration Number	4305627
Registration Date	March 19, 2013
Owner	(REGISTRANT) **LOGIC PD**, INC. CORPORATION MINNESOTA 411 WASHINGTON AVENUE N., SUITE 101 MINNEAPOLIS MINNESOTA 55401

Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	Michael T. Olsen
Prior Registrations	3605969;3765955
Disclaimer	NO CLAIM IS MADE TO THE EXCLUSIVE RIGHT TO USE "PD" APART FROM THE MARK AS SHOWN
Type of Mark	TRADEMARK
Register	PRINCIPAL
Live/Dead Indicator	LIVE

TESS HOME | NEW USER | STRUCTURED | FREE FORM | BROWSE DICT | SEARCH OG | TOP | HELP | PREV LIST | CURR LIST
NEXT LIST | FIRST DOC | PREV DOC | NEXT DOC | LAST DOC

| HOME | SITE INDEX | SEARCH | eBUSINESS | HELP | PRIVACY POLICY

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

LOGIC PD

Word Mark	LOGIC PD
Goods and Services	IC 040. US 100 103 106. G & S: Electronic contract manufacturing services for others. FIRST USE: 20100519. USED IN ANOTHER FORM The mark was first used anywhere in a different form other than that sought to be registered at least as early as 01/11/1990. FIRST USE IN COMMERCE: 20100519
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85079661
Filing Date	July 7, 2010
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	November 22, 2011
Registration Number	4095282
Registration Date	February 7, 2012
Owner	(REGISTRANT) **LOGIC PD**, INC. CORPORATION MINNESOTA SUITE 101 411 WASHINGTON AVENUE N. MINNEAPOLIS MINNESOTA 55401

Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	Michael T. Olsen
Prior Registrations	3605969;3765955
Disclaimer	NO CLAIM IS MADE TO THE EXCLUSIVE RIGHT TO USE "PD" APART FROM THE MARK AS SHOWN
Type of Mark	SERVICE MARK
Register	PRINCIPAL
Live/Dead Indicator	LIVE

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

LOGIC PD

Word Mark	LOGIC PD
Goods and Services	IC 042. US 100 101. G & S: Computer software and hardware development services for others, namely, developing computer chips, integrated circuit modules, printed circuit boards, digital signal processors, and field programmable gate array; engineering services, namely, mechanical, electrical, software and systems engineering services for others; industrial design services for others; custom design of computer chips, integrated circuit modules, printed circuit boards, digital signal processors, and field programmable gate array. FIRST USE: 20100519. USED IN ANOTHER FORM The mark was first used anywhere in a different form other than that sought to be registered at least as early as 01/11/1999. FIRST USE IN COMMERCE: 20100519
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	85079655
Filing Date	July 7, 2010
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	November 22, 2011
Registration Number	4095281

Registration Date	February 7, 2012
Owner	(REGISTRANT) **LOGIC PD**, INC. CORPORATION MINNESOTA SUITE 101 411 WASHINGTON AVENUE N. MINNEAPOLIS MINNESOTA 55401
Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	Michael T. Olsen
Prior Registrations	3605969;3765955
Disclaimer	NO CLAIM IS MADE TO THE EXCLUSIVE RIGHT TO USE "PD" APART FROM THE MARK AS SHOWN
Type of Mark	SERVICE MARK
Register	PRINCIPAL
Live/Dead Indicator	LIVE

TESS HOME | NEW USER | STRUCTURED | FREE FORM | BROWSE DICT | SEARCH OG | TOP | HELP | PREV LIST | CURR LIST
NEXT LIST | FIRST DOC | PREV DOC | NEXT DOC | LAST DOC

| HOME | SITE INDEX | SEARCH | eBUSINESS | HELP | PRIVACY POLICY

United States Patent and Trademark Office

Trademarks > Trademark Electronic Search System (TESS)

TESS was last updated on Thu Feb 9 03:47:02 EST 2017

LOGIC

Word Mark	LOGIC
Goods and Services	IC 009. US 021 023 026 036 038. G & S: Computer software and hardware development kit comprised primarily of application boards, card engines, microprocessors, computer cables, power supply and power adaptors. FIRST USE: 19990111. FIRST USE IN COMMERCE: 19990111
Standard Characters Claimed	
Mark Drawing Code	(4) STANDARD CHARACTER MARK
Serial Number	77557993
Filing Date	August 28, 2008
Current Basis	1A
Original Filing Basis	1A
Published for Opposition	January 12, 2010
Registration Number	3765955
Registration Date	March 30, 2010
Owner	(REGISTRANT) Logic Product Development Company CORPORATION MINNESOTA Suite 101 411 Washington Ave North Minneapolis MINNESOTA 55401 (LAST LISTED OWNER) **LOGIC PD**, INC. CORPORATION MINNESOTA 411 WASHINGTON AVENUE N. SUITE 400 MINNEAPOLIS MINNESOTA 55401

Assignment Recorded	ASSIGNMENT RECORDED
Attorney of Record	Michael T. Olsen
Type of Mark	TRADEMARK
Register	PRINCIPAL
Affidavit Text	SECT 15. SECT 8 (6-YR).
Live/Dead Indicator	LIVE

TESS HOME | NEW USER | STRUCTURED | FREE FORM | BROWSE DICT | SEARCH OG | TOP | HELP | PREV LIST | CURR LIST
NEXT LIST | FIRST DOC | PREV DOC | NEXT DOC | LAST DOC

| HOME | SITE INDEX | SEARCH | eBUSINESS | HELP | PRIVACY POLICY

SCHEDULE 3

COPYRIGHT REGISTRATIONS AND APPLICATIONS

Copyright
United States Copyright Office

Help | Search | History | Titles | Start Over

Public Catalog

Copyright Catalog (1978 to present)
Search Request: Left Anchored Name = logic product development
Search Results: Displaying 1 of 4 entries

previous next

Labeled View

iMX31 SOM-LV.

Type of Work: Visual Material
Registration Number / Date: VA0001410960 / 2007-07-05
Title: iMX31 SOM-LV.
Notes: Technical drawings.
Copyright Claimant: Logic Product Development
Date of Creation: 2006
Date of Publication: 2006-08-16
Copyright Note: C.O. correspondence.
Cataloged from appl. only.
Names: Logic Product Development

previous next

Save, Print and Email (Help Page)	
Select Download Format Full Record	Format for Print/Save
Enter your email address:	Email

Help Search History Titles Start Over

Contact Us | Request Copies | Get a Search Estimate | Frequently Asked Questions (FAQs) about Copyright | Copyright Office Home Page | Library of Congress Home Page

Copyright
United States Copyright Office

Help | Search | History | Titles | Start Over

Public Catalog

Copyright Catalog (1978 to present)
Search Request: Left Anchored Name = logic product development
Search Results: Displaying 2 of 4 entries

previous next

Labeled View

PXA270 card engine.

Type of Work: Visual Material
Registration Number / Date: VA0001410962 / 2007-07-05
Title: PXA270 card engine.
Notes: Technical drawings.
Copyright Claimant: Logic Product Development
Date of Creation: 2005
Date of Publication: 2005-03-23
Copyright Note: C.O. correspondence.
Cataloged from appl. only.
Names: Logic Product Development

previous next

Save, Print and Email (Help Page)
Select Download Format Full Record Format for Print/Save
Enter your email address: Email

Help Search History Titles Start Over

Contact Us | Request Copies | Get a Search Estimate | Frequently Asked Questions (FAQs) about Copyright | Copyright Office Home Page | Library of Congress Home Page

Copyright
United States Copyright Office

Help | Search | History | Titles | Start Over

Public Catalog

Copyright Catalog (1978 to present)
Search Request: Left Anchored Name = logic product development
Search Results: Displaying 4 of 4 entries

previous next

Labeled View

OMAP 3 SOM-LV Schematics.

Type of Work: Visual Material
Registration Number / Date: VA0001707934 / 2008-07-28
Application Title: OMAP 3 SOM-LV Schematics.
Title: OMAP 3 SOM-LV Schematics.
Description: Drawings, 13 p.
Copyright Claimant: Logic Product Development Company. Address: 411 Washington Ave. N, Minneapolis, MN, 55401.
Date of Creation: 2008
Date of Publication: 2008-02-26
Nation of First Publication: United States
Authorship on Application: Logic Product Development Company, employer for hire. Authorship: Technical drawing.
Pre-existing Material: A portion of the work, the pin-out, is based on the i.MX31 SOM-LV Schematics, previously registered with the Copyright Office by Logic Product Development Company.
Basis of Claim: All other material (other than the pin-out)
Names: Logic Product Development Company

previous next

Save, Print and Email (Help Page)	
Select Download Format Full Record	Format for Print/Save
Enter your email address:	Email