

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM505347

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
PNC Bank, National Association		01/07/2019	National Banking Association: UNITED STATES
RECEIVING PARTY DATA			
Name:	Black Box Corporation		
Street Address:	222 West Las Colinas Blvd., Suite 200 North		
City:	Irving		
State/Country:	TEXAS		
Postal Code:	75039		
Entity Type:	Corporation: DELAWARE		
Name:	Black Box Corporation of Pennsylvania		
Street Address:	1000 Park Drive		
City:	Lawrence		
State/Country:	PENNSYLVANIA		
Postal Code:	15055		
Entity Type:	Corporation: DELAWARE		
Name:	Norstan Communicaions, Inc.		
Street Address:	1000 Park Drive		
City:	Lawrence		
State/Country:	PENNSYLVANIA		
Postal Code:	15055		
Entity Type:	Corporation: MINNESOTA		
PROPERTY NUMBERS Total: 4			
Property Type	Number	Word Mark	
Registration Number:	5378366	ICOMPEL	
Registration Number:	5384447	CONTROLBRIDGE	
Registration Number:	5369412	COALESCE	
Registration Number:	5340647	BMIGRATE	
CORRESPONDENCE DATA			
Fax Number:	7044441111		
TRADEMARK			

CH \$115.00 5378366

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: 704-444-1124
Email: elaine.hunt@alston.com
Correspondent Name: Michele M. Glessner
Address Line 1: Alston & Bird LLP
Address Line 2: 101 South Tryon Street, Suite 4000
Address Line 4: Charlotte, NORTH CAROLINA 28280-4000

NAME OF SUBMITTER:	Elaine B. Hunt
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SIGNATURE:	/Elaine B. Hunt/
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DATE SIGNED:	01/10/2019
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Total Attachments: 8

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Release of Intellectual Property Security Interest

This Release of Intellectual Property Security Interest (“**Release**”) is made and effective as of January 7, 2019 by PNC Bank, National Association, as administrative agent and collateral agent (in such capacity, the “**Administrative Agent**”) for the Lenders (as defined in the Credit Agreement referenced below (the “**Lenders**”)), in favor of the Grantors (as defined in the Master Security Agreement referenced below (collectively, the “**Grantors**”)), and their successors, assigns and legal representatives.

WHEREAS, pursuant to that certain Credit Agreement, dated May 9, 2016, by and among Black Box Corporation, a Delaware corporation (the “**Borrower**”), the Guarantors (as defined therein), the Lenders, and the Administrative Agent (as amended, modified, supplemented or restated from time to time, the “**Credit Agreement**”), the Grantors executed and delivered to the Administrative Agent (i) that certain Security Agreement, dated May 9, 2016, by the Borrower and each Guarantor party thereto as a Grantor in favor of the Administrative Agent for its benefit and the benefit of the Lenders (as amended, modified, supplemented or restated from time to time, the “**Master Security Agreement**”), and (ii) that certain Patent, Trademark and Copyright Security Agreement, dated May 9, 2016, by and among the Grantor(s) and the Administrative Agent for its benefit and the benefit of the Lenders (as supplemented by that certain Notice of Security Interest U.S. Patents, dated May 9, 2016 (“**Patent Notice**”), that certain Notice of Security Interest U.S. Trademarks, dated May 9, 2016 (“**Trademarks Notice**”), that certain Supplement to Patent, Trademark and Copyright Security Agreement, dated June 29, 2018 (“**2018 Supplement**”), and as further amended, modified, supplemented or restated from time to time, the “**IP Security Agreement**” and, together with the Master Security Agreement, the “**Security Agreements**”);

WHEREAS, pursuant to the Security Agreements, each Grantor pledged and granted to the Administrative Agent for the benefit of the Lenders a security interest in and to all of the right, title and interest of such Grantor in, to and under the IP Collateral (as defined below);

WHEREAS, the Patent Notice was recorded with the United States Patent and Trademark Office at Reel 038646, Frame 0673 on May 19, 2016, the Trademarks Notice was recorded with the United States Patent and Trademark Office at Reel 005796, Frame 0880 on May 19, 2016, and the 2018 Supplement was recorded with (i) the United States Patent and Trademark Office at Reel 006370, Frame 0400 on July 3, 2018 and (ii) the United States Copyright Office on August 1, 2018; and

WHEREAS, the Grantors have requested that the Administrative Agent enter into this Release in order to effectuate, evidence and record the release and reassignment to the Grantors of any and all right, title and interest the Administrative Agent and the Lenders may have in the IP Collateral pursuant to the Security Agreements.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Administrative Agent hereby states as follows:

1. Release of Security Interest. Administrative Agent, on behalf of itself and the Lenders, their successors, legal representatives and assigns, hereby terminates the IP Security Agreement and terminates, releases and discharges any and all security interests that it has pursuant

to the Security Agreements in any and all right, title and interest of the Grantors, and reassigns to the Grantors any and all right, title and interest that it may have, in, to and under the following (collectively, the “**IP Collateral**”):

(a) any and all patents, patent applications and other patent rights and any other governmental authority-issued indicia of invention ownership, including the patents and patent applications listed in Schedule 1 hereto, and all reissues, divisions, continuations, continuations-in-part, renewals, extensions and reexaminations thereof and amendments thereto (the “**Patents**”);

(b) any and all trademarks, service marks, trade names, brand names, logos, trade dress, design rights and other similar designations of source, whether registered or unregistered, including 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 (“**Trademarks**”);

(c) any and all copyrights, copyright applications and registrations, and like protections in each work of authorship, whether registered or unregistered and whether published or unpublished, including the copyright registrations and applications set forth in Schedule 3 hereto, and all extensions and renewals thereof (“**Copyrights**”);

(d) all rights of any kind whatsoever of such 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 license and other agreements in which such Grantor has granted or is granted a license or other right under any Patent, Trademark or Copyright;

(f) 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

(g) 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. Further Assurances. Administrative Agent agrees to take all reasonable further actions, and provide to the Grantors and their successors, assigns and legal representatives all such reasonable cooperation and assistance, including, without limitation, the execution and delivery of any and all further documents or other instruments, as the Grantors and their successors, assigns and legal representatives may reasonably request in order to confirm, effectuate or record this Release.

3. Recordation. Administrative Agent authorizes the Borrower and its respective designees, on behalf of itself and the other Grantors, to record this Release with the United States

Copyright Office, the United States Patent and Trademark Office, or any other applicable governmental authority at the Borrower's expense.

4. Governing Law. This Release 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 Release and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the Commonwealth of Pennsylvania, without giving effect to any choice or conflict of law provision or rule.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Administrative Agent has caused this Release to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

PNC BANK, NATIONAL ASSOCIATION
as Administrative Agent

By: Christopher B. Gribble

Name: Christopher B. Gribble

Title: Senior Vice President

SCHEDULE 1

PATENTS

Patents

Jurisdiction	Title	Patent Number	Issue Date	Record Owner
United States	Device For Coupling Radio Frequency Energy From Various Transmission Lines Using Variable Impedance Transmission Lines	6,771,143	August 3, 2004	NORSTAN COMMUNICATIONS, INC.
United States	Low Profile Bicone Antenna	7,408,521	August 5, 2008	NORSTAN COMMUNICATIONS, INC.
United States	Individualization of migration between telephony systems	9,930,428	March 27, 2018	NORSTAN COMMUNICATIONS, INC.

Patent Applications

Jurisdiction	Title	Application Serial Number	Filing Date	Record Owner
United States	Individualization of migration between telephony systems	15/138,334	April 26, 2016	NORSTAN COMMUNICATIONS, INC.

SCHEDULE 2 **TRADEMARKS**

Trademark Registrations

Jurisdiction	Mark	Registration Number	Registration Date	Record Owner
United States	BOX DESIGN	1,141,117	November 4, 1980	BB TECHNOLOGIES, INC.
United States	BLACK BOX	1,095,109	July 4, 1978	BB TECHNOLOGIES, INC.
United States	BLACK BOX & BOX DESIGN	1,343,851	June 25, 1985	BB TECHNOLOGIES, INC.
United States	BOX DESIGN	1,095,108	July 4, 1978	BB TECHNOLOGIES, INC.
United States	BLACK BOX	2,140,574	March 3, 1998	BB TECHNOLOGIES, INC.
United States	BLACK BOX	2,309,470	January 18, 2000	BB TECHNOLOGIES, INC.
United States	BLACK BOX & BOX DESIGN	2,306,303	January 4, 2000	BB TECHNOLOGIES, INC.
United States	BOX DESIGN	2,314,738	February 1, 2000	BB TECHNOLOGIES, INC.
United States	BLACK BOX	2,250,733	June 8, 1999	BB TECHNOLOGIES, INC.
United States	BOX DESIGN	2,147,452	March 31, 1998	BB TECHNOLOGIES, INC.
United States	CAT5E	2,343,644	April 18, 2000	BB TECHNOLOGIES, INC.
United States	CERTIFICATION PLUS AND DESIGN	2,669,871	December 31, 2002	BB TECHNOLOGIES, INC.
United States	GIGABASE	2,636,340	October 15, 2002	BB TECHNOLOGIES, INC.
United States	GIGATRUE	2,636,336	October 15, 2002	BB TECHNOLOGIES, INC.
United States	BOX DESIGN	2,862,019	July 13, 2004	BB TECHNOLOGIES, INC.
United States	BLACK BOX & DESIGN	2,924,643	February 8, 2005	BB TECHNOLOGIES, INC.
United States	BLACK BOX	2,947,265	May 10, 2005	BB TECHNOLOGIES, INC.
United States	SELECT SERVER	3,741,425	January 19, 2010	BB TECHNOLOGIES, INC.
United States	CONVERGENCECARE	2,674,527	January 14, 2003	BB TECHNOLOGIES, INC.
United States	INNERWIRELESS	2,727,815	June 17, 2003	NORSTAN COMMUNICATIONS, INC.
United States	CONFERENCE POINT	2,459,160	June 12, 2002	NORSTAN COMMUNICATIONS, INC.
United States	CONFERENCEPOINT.COM	2,524,455	January 1, 2002	NORSTAN COMMUNICATIONS, INC.
United States	PROTECNET	2,519,217	December 18, 2001	NORSTAN COMMUNICATIONS, INC.
United States	iCOMPEL	5,378,366	January 16, 2018	BLACK BOX CORPORATION OF PENNSYLVANIA
United States	CONTROLBRIDGE	5,384,447	January 23, 2018	BLACK BOX CORPORATION OF PENNSYLVANIA
United States	COALESCE	5,369,412	January 2, 2018	BLACK BOX CORPORATION OF PENNSYLVANIA
United States	bMIGRATE	5,340,647	November 21, 2017	NORSTAN COMMUNICATIONS, INC.
United States	SELECT SERVER	5,017,072	August 9, 2016	BB TECHNOLOGIES, INC.

Trademark Applications

Jurisdiction	Mark	Application Serial Number	Filing Date	Record Owner
United States	SELECT SERVER	86/850,012	December 15, 2015	BB TECHNOLOGIES, INC.

SCHEDULE 3**COPYRIGHTS****Copyright Registrations**

Jurisdiction	Title	Copyright Number	Record Owner
United States	CAP program: LL0005G1.ASM	TX0002722736	BLACK BOX CORPORATION
United States	Guide to cable properties / editor, Mark Kenny	TX0004666876	BLACK BOX CORPORATION
United States	Guide to local and remote communications	TX0004665873	BLACK BOX CORPORATION
United States	Intelligent connections	TX0003344565	BLACK BOX CORPORATION
United States	Knowledge Box : expert insight into the world of technology.	CSN0130572	BLACK BOX CORPORATION
United States	LAN Catalog	CSN0076961	BLACK BOX CORPORATION
United States	LAN Catalog : a publication of Black Box Corporation.	CSN0082538	BLACK BOX CORPORATION
United States	LAN Connections	CSN0079841	BLACK BOX CORPORATION
United States	Special products : catalog / from Black Box Corporation	CSN0086012	BLACK BOX CORPORATION
United States	Black Box Cable Catalog	CSN0078762	BLACK BOX CORPORATION
United States	Knowledge Box	TX0004258849	BLACK BOX CORPORATION
United States	Knowledge Box : expert insight into the world of technology	CSN0130572	BLACK BOX CORPORATION
United States	Modem catalog : a complete reference and buyer's guide to modems	CSN0080081	BLACK BOX CORPORATION
United States	System 3X catalog : solutions guide for the I B M system 34/36/38 user	CSN0078057	BLACK BOX CORPORATION

TRADEMARK**REEL: 006521 FRAME: 0465****RECORDED: 01/10/2019**