

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5766607

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST AT REEL/FRAME 049956/0473
CONVEYING PARTY DATA	
Name	Execution Date
BANK OF AMERICA, N.A.	10/11/2019
RECEIVING PARTY DATA	
Name:	MONOTYPE IMAGING INC.
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State/Country:	MASSACHUSETTS
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Name:	MONOTYPE IMAGING HOLDINGS INC.
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City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
Name:	IMAGING HOLDINGS CORP.
Street Address:	600 UNICORN PARK DRIVE
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
Name:	MYFONTS INC.
Street Address:	600 UNICORN PARK DRIVE
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
Name:	MONOTYPE ITC INC.
Street Address:	600 UNICORN PARK DRIVE
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
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City:	WOBURN

PATENT

State/Country:	MASSACHUSETTS
Postal Code:	01801

PROPERTY NUMBERS Total: 17

Property Type	Number
Patent Number:	8896593
Patent Number:	8201088
Patent Number:	7719537
Patent Number:	7002596
Patent Number:	6138237
Patent Number:	5825996
Patent Number:	5781714
Patent Number:	5583978
Patent Number:	5577177
Patent Number:	5099435
Application Number:	11149285
Application Number:	11146195
Application Number:	10951738
Application Number:	10854912
Application Number:	10791348
Application Number:	10621275
Application Number:	10139585

CORRESPONDENCE DATA

Fax Number: (212)446-4900

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.

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DATE SIGNED:	10/11/2019

Total Attachments: 10

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TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS

This **TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS** (this "Termination and Release"), dated as of October 11, 2019, is made by **BANK OF AMERICA, N.A.**, as Administrative Agent (in such capacity, the "Agent"), in favor of the Grantors listed on Schedule I hereof (collectively, the "Grantors" and each, individually, a "Grantor"). Unless otherwise defined herein, capitalized terms used in this Termination and Release shall have the meanings assigned to such terms in the Security Agreement (as defined below).

WHEREAS, the Grantors and the Agent entered into (i) that certain Patent Security Agreement, dated as of March 22, 2019, recorded at Reel 049566, Frame 0513 in the Patent Division of the United States Patent and Trademark Office (the "USPTO") on March 22, 2019 (the "Patent Security Agreement") and (ii) that certain First Supplement to Patent Security Agreement, dated as of July 26, 2019, recorded at Reel 049956, Frame 0473 in the USPTO on August 5, 2019 (the "First Supplement" and, together with the Patent Security Agreement, the "Patent Grants").

WHEREAS, pursuant to (i) that certain Security and Pledge Agreement, dated as of March 22, 2019 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), by and among the "Grantors" party thereto from time to time and the Agent and (ii) the Patent Grants, the Grantors pledged and granted to the Agent a security interest in and continuing lien on all of the Grantors' right, title and interest in, to and under the Patents, including those patents and patent applications listed on Exhibit A attached hereto;

WHEREAS, the Agent has agreed to terminate, release and discharge its security interest and lien on all of the Patents.

NOW, THEREFORE, for good and valuable consideration, including the satisfaction of all obligations, indebtedness and liabilities of the Grantors secured by the Patents pursuant to the Security Agreement and the Patent Grants, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. The Agent hereby terminates, releases and discharges all of its mortgages, liens, and security interests in all of the Grantors' right, title and interest in, to and under the Patents and hereby reassigns any and all such right, title and interest (if any) that the Agent may have in the Patents to the Grantors.

2. The Agent authorizes and requests that the United States Commissioner of Patents and Trademarks and any other applicable officer in any successor office or any similar office in any other country record this Termination.

3. THIS TERMINATION AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS TERMINATION SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK, WITHOUT

REGARD TO CONFLICTS OF LAW PRINCIPLES THAT WOULD REQUIRE THE APPLICATION OF THE LAWS OF ANOTHER JURISDICTION.

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BANK OF AMERICA, N.A.

as Agent

By: 
Name: Erik M. Truette
Title: Vice President

[Monotype - Signature Page to Patent Termination and Release]

PATENT
REEL: 050711 FRAME: 0367

SCHEDULE I

List of Grantors

**MONOTYPE IMAGING INC.
MONOTYPE IMAGING HOLDINGS INC.
IMAGING HOLDINGS CORP.
MYFONTS INC.
MONOTYPE ITC INC.
OLAPIC, INC.**

EXHIBIT A**Patents**

<u>Loan Party/Owner</u>	<u>Patents</u>	<u>Application/Publication Number</u>	<u>Application/Publication Date</u>
MonoType Imaging Inc. Imaging Holdings Corp.	Displaying graphics in multi-view scenes	US10134150B2	2018-11-20
MonoType Imaging Inc. Imaging Holdings Corp.	Font data streaming	US931944B2	2016-04-19
MonoType Imaging Inc. Imaging Holdings Corp.	Producing three-dimensional graphics	US8896593B2	2014-11-25
MonoType Imaging Inc. Imaging Holdings Corp.	Initiating font subsets	US8615709B2	2013-12-24
MonoType Imaging Inc. Imaging Holdings Corp.	Method and apparatus for associating with an electronic document a font subset containing select character forms which are different depending on location	US8201088B2	2012-06-12
MonoType Imaging Inc. Imaging Holdings Corp.	Method for automatic font character height restriction	US7821515B2	2010-10-26
MonoType Imaging Inc. Imaging Holdings Corp.	Method for reducing size and increasing speed for font generation of instructions	US7719537B2	2010-05-18
MonoType Imaging Inc. Imaging Holdings Corp.	Method and apparatus for font storage reduction	US718046B1	2007-02-27
MonoType Imaging Inc. Imaging Holdings Corp.	Anti-aliasing system and method	US7002596B1	2006-02-21
MonoType Imaging Inc. Imaging Holdings Corp.	Total ink control method for color rendering in printing system	US6997543B2	2006-02-14
MonoType Imaging Inc. Imaging Holdings Corp.	Method and apparatus for compressing Bezier descriptions of letterforms in outline fonts using vector quantization techniques	US6992671B1	2006-01-31
MonoType Imaging Inc. Imaging Holdings Corp.	System for selecting, distributing, and selling fonts	US6853980B1	2005-02-08

<u>Loan Party/Owner</u>	<u>Patents</u>	<u>Application/ Publication Number</u>	<u>Application/ Publication Date</u>
Monotype Imaging Inc. Imaging Holdings Corp.	System for rapidly performing scan conversion with anti-aliasing upon outline fonts and other graphic elements	US6437793B1	2002-08-20
Monotype Imaging Inc. Imaging Holdings Corp.	Method and apparatus for rendering sub-pixel anti-aliased graphics on stripe topology color displays	US6384839B1	2002-05-07
Monotype Imaging Inc. Imaging Holdings Corp.	Presenting Content on Electronic Paper Displays	US20120105478A1	2012-05-03
MONOTYPE IMAGING INC.	Pairing fonts for presentation	10115215	2018-10-30
MONOTYPE IMAGING INC.	Producing glyph distance fields	10002448	2018-06-19
MONOTYPE IMAGING INC.	Network based font management for imaging devices	9817615	2017-11-14
MONOTYPE IMAGING INC.	Analyzing font similarity for presentation	9805288	2017-10-31
MONOTYPE IMAGING INC.	Compact font hinting	9691169	2017-06-27
MONOTYPE IMAGING INC.	Advanced text editor	9626337	2017-04-18
MONOTYPE IMAGING INC.	Supporting color fonts	9569865	2017-02-14
MONOTYPE IMAGING INC.	Adjusting content rendering for environmental conditions	9472163	2016-10-18
MONOTYPE IMAGING INC.	Analyzing font similarity for presentation	9317777	2016-04-19
MONOTYPE IMAGING INC.	Identifiers for web font templates	9275024	2016-03-01
MONOTYPE IMAGING INC.	Methods, systems, and programming for producing and displaying subpixel-optimized font bitmaps using non-linear color balancing	8514243	2013-08-20
MONOTYPE IMAGING INC.	MULTI-DIMENSIONAL FONT SPACE MAPPING AND PRESENTATION	15943311	2018-04-02

<u>Loan Party/Owner</u>	<u>Patents</u>	<u>Application/ Publication Number</u>	<u>Application/ Publication Date</u>
MONOTYPE IMAGING INC.	CONTEXT ANALYSIS FOR MESSAGE ENHANCEMENT	15669660	2017-08-04
MONOTYPE IMAGING INC.	Converting Font Contour Curves	14993424	2016-01-12
MONOTYPE IMAGING INC.	Providing Font Security	15211110	2016-07-15
MONOTYPE IMAGING INC.	Using Similarity for Grouping Fonts and Individuals for Recommendations	14694494	2015-04-23
MONOTYPE IMAGING INC.	Using Character Classes for Font Selection	14613751	2015-02-04
MONOTYPE IMAGING INC.	Network Based Static Font Subset Management	14601763	2015-01-21
MONOTYPE IMAGING INC.	Font Data Streaming	15053610	2016-02-25
MONOTYPE IMAGING INC.	Selectable Text Messaging Styles for Brand Owners	14862499	2015-09-23
MONOTYPE IMAGING INC.	Selectable Styles for Text Messaging System Font Service Providers	14862626	2015-09-23
MONOTYPE IMAGING INC.	Selectable Styles for Text Messaging System User Devices	14862356	2015-09-23
MONOTYPE IMAGING INC.	Selectable Styles for Text Messaging System Publishers	14862404	2015-09-23
MONOTYPE IMAGING INC.	Font Management for Editing Electronic Documents	14025117	2013-09-12
MONOTYPE IMAGING INC.	Dynamically Adjustable Distance Fields for Adaptive Rendering	14013395	2013-08-29
MONOTYPE IMAGING INC.	PRODUCING THREE-DIMENSIONAL GRAPHICS	14461468	2014-08-18
MONOTYPE IMAGING INC.	Supporting Font Character Kerning	14208951	2014-03-13
MONOTYPE IMAGING INC.	Supporting Scalable Fonts	13672992	2012-11-09

<u>Loan Party/Owner</u>	<u>Patents</u>	<u>Application/Publication Number</u>	<u>Application/Publication Date</u>
MONOTYPE IMAGING INC.	Initiating Font Subsets	14138282	2013-12-23
MONOTYPE IMAGING INC.	Network Based Font Subset Management	13572082	2012-08-10
MONOTYPE IMAGING INC.	Managing Font Distribution	13399146	2012-02-17
MONOTYPE IMAGING INC.	Adjusting Fonts for Visual Consistency	13329771	2011-12-19
MONOTYPE IMAGING INC.	Presenting Visual Challenges for Verifying Human Interaction	13237273	2011-09-20
MONOTYPE IMAGING INC.	EXTRACTING AND MANAGING FONT STYLE ELEMENTS	13278713	2011-10-21

<u>Loan Party/Owner</u>	<u>Patent Title</u>	<u>Registration/Application Number</u>	<u>Registration/Application Date</u>
Monotype Imaging, Inc.	CMOS digital image sensor system and method	10139585	May 6, 2002
Monotype Imaging, Inc.	Font rental system and method	10621275	Jul 17, 2003
Monotype Imaging, Inc.	System and method for gamut mapping control	10791348	Mar 2, 2004
Monotype Imaging, Inc.	Method and system for application page description in print device color space	10854912	May 27, 2004

<u>Loan Party/Owner</u>	<u>Patent Title</u>	<u>Registration/Application Number</u>	<u>Registration/Application Date</u>
Monotype Imaging, Inc.	Method and system using gamut mapping templates to derive actual color gamut mapping	10951738	Sep 28, 2004
Monotype Imaging, Inc.	Method and system for inter-channel clock frequency selection with periodic	11146195	Jun 7, 2005
Monotype Imaging, Inc.	Automatic generation of supercell halftoning threshold arrays for high addressability devices	11149285	Jun 10, 2005
Imaging Holdings Corp.	Print-To-Edge Desktop Printing	5825996	10/20/1998
Imaging Holdings Corp.	Apparatuses and Methods for Creating and Using Portable Fonted Texts with Embedded Automatically-Created Font Descriptions	5583978	12/10/1996
Imaging Holdings Corp.	Apparatus and Methods for Creating and Using Portable Fonts	5577177	11/19/1996
Imaging Holdings Corp.	Method and Apparatus for Conversion of Outline Characters to Bitmap Characters	5099435	03/24/1992
Imaging Holdings Corp.	Apparatus, Methods, and Media for Authorizing, Distributing, and Using Software Resources with Purposely Restricted Use	6138237	10/24/2000

<u>Loan Party/Owner</u>	<u>Patent Title</u>	<u>Registration/Application Number</u>	<u>Registration/Application Date</u>
Imaging Holdings Corp.	Apparatus and Methods for Creating and Using Portable Fonts	5781714	07/14/1998
Imaging Holdings Corp.	Method for reducing size and increasing speed for font generation of instructions	11507456	05/18/2010
Imaging Holdings Corp.	Producing three-dimensional graphics	13153956	11/25/2014
Imaging Holdings Corp.	Method and apparatus for associating with an electronic document a fontsubset containing select character forms which are different depending on location	11491904	06/12/2012
Imaging Holdings Corp.	Anti-aliasing system and method	09261081	02/21/2006

PATENT

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