506324212 10/27/2020

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATORU FURUYA	03/04/2019
SHUN IKEURA	03/04/2019
SATORU HORI	03/04/2019

RECEIVING PARTY DATA

Name:	HP PRINTING KOREA CO., LTD.
Street Address:	ALPHADOM TOWER 3, 152, PANGYOYEOK-RO, BUNDANG-GU
City:	SEONGNAM-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13529

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17051055

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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: (541)715-8443

Email: ipa.mail@hp.com, jbonder@s-n-h.com, msheikerz@s-n-h.com

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35
Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER: 85954935

NAME OF SUBMITTER: MEHDI D. SHEIKERZ - REG. NO. 41,307

SIGNATURE: /Mehdi D. Sheikerz/

DATE SIGNED: 10/27/2020

Total Attachments: 3

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PATENT 506324212 REEL: 054184 FRAME: 0661

HP Inc.
3390 E. Harmony Road
Mail Stop 35
Fort Collins, Colorado 80528

Rev 8/2018 (HPPK Assignment)

PATENT	IC AT	TO N

RECORD	ID:	84964295
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ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter "HPPK"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

トナーの除去 (Removal of Toner)			
Filing Date: 18 Jul 2018	Application No.: 2018-1346	572	Patent Office: JP ;
the subject matter, including any and all invertherein "patent" refers to any form of intellectudesign rights, and utility model rights) (here country or region or under any international apatent, any and all applications for patent directly claims priority or benefit, and any a of, divisional applications of, national-phase application for patent for any of said Invention on or as a result of said Applications for Patent of said Applications for Patent or said Patents	al property protection including, wit prinafter "Inventions"); any and all of agreement for any of said Invention ectly or indirectly claiming priority to patent from which any application and all continuation applications of, applications of, regional-phase applications for Prinafter "Applications for Prinafter "Patents"); and any ent (hereinafter "Patents"); and any	hout limitation, inventice activiting and future apus (including, without lind or benefit of any appun for patent for any of continuation-in-part apublications of, renewals atent"); any and all patents and all patents are proposed to the continuation of the continua	n rights, utility patent rights, plications for patent of any nitation, said application for lication for patent for any of said Inventions directly or plications (hereinafter CIPs) of, and substitutes for any pents which may be granted.
I HEREBY represent that I convey my entire right, title, and interest herein assigned conflict herewith;	full rights in all countries and regic l and transferred, and that I have no	ons and under all inter ot executed and will no	national agreements to the t execute any agreement in
AND I HEREBY authorize HPPK, its Applications for Patent in its name or in my authorize HPPK, its successors, its assigns, i and patent office of said application for patent	name in any country or region o ts nominees, and its legal represen	r under any internatio tatives to insert the filin	nal agreement, and further a date, application number
AND I HEREBY authorize and request the duty it is to issue patents, to issue to HPPK, Patents, in accordance with the terms of this accordance.	its successors, or its assigns, as a	ons and under all internations and under all internations.	national agreements whose ight, title, and interest, said
AND I HEREBY covenant and agree that I will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title in said Inventions, Applications for Patent, and Patents, to HPPK, its successors, or its assigns; communicate to HPPK, its successors, its assigns, its nominees, or its legal representatives, all known facts respecting said Inventions, Applications for Patent, and Patents; testify in any legal or administrative proceedings and sign all lawful papers (including, without limitation, divisional applications, continuation applications, CiPs, and reissue applications) relating to said Inventions, Applications for Patent, and Patents; and make all rightful oaths and declarations and generally to do everything possible to aid HPPK, its successors, its assigns, its nominees, and its legal representatives to obtain, maintain, and enforce, for its or their own benefit, proper intellectual property protection for said Inventions, Applications for Patent, and Patents, provided the expenses which may be incurred by me in lending such cooperation and assistance are paid by HPPK, its successors, its assigns, its nominees, or its legal representatives.			
IN WITNESS WHEREOF, I hereunto set	my hand and seal:		
Inventor's Signature Satoru Furuya Given (First and Middle) Name(s) Family Name	Day	March	V 2019 Year

PATENT REEL: 054184 FRAME: 0662 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

RECORD ID:	84964295

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and transfer and hereby assign and transfer to HP PRINTING KOREA CO., LTD., having a principal business address of 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter "HPPK"), its successors, and its assigns, my entire right, title, and interest, including all rights of priority, in, to, and under an application for patent entitled (English-language title in parentheses if said application for patent is in another language):

トナーの除去 (Removal of Toner)			
Filing Date: 18 Jul 2018 Application No.	2018-134672	Pa	atent Office: <u>JP</u>
the subject matter, including any and all inventions, improvements, herein "patent" refers to any form of intellectual property protection design rights, and utility model rights) (hereinafter "Inventions"); country or region or under any international agreement for any of spatent, any and all applications for patent directly or indirectly claims said (inventions, any and all applications for patent from which as indirectly claims priority or benefit, and any and all continuation applications of, national-phase applications of, region application for patent for any of said (inventions) (hereinafter "Applion or as a result of said Applications for Patent (hereinafter "Patent of said Applications for Patents.	including, without any and all exist and inventions (in ning priority to or ny application for plications of, cont nal-phase applica- cations for Paten	limitation, invention righting and future application during application benefit of any application patent for any of said inuation-in-part applications of, renewals of, a ti'); any and all patents	nts, utility patent rights, ions for patent of any on, sald application for on for patent for any of Inventions directly or ions (hereinafter CIPs) and substitutes for any which may be granted
I HEREBY represent that I convey my full rights in all countries right, title, and interest herein assigned and transferred, and conflict herewith;			
AND I HEREBY authorize HPPK, its successors, its assignations for Patent in its name or in my name in any countrauthorize HPPK, its successors, its assigns, its nominees, and its leand patent office of said application for patent, now identified by the	y or region or ur egal representativ	nder any international a res to insert the filing da	greement, and further te, application number,
AND I HEREBY authorize and request the officials of all counduty it is to issue patents, to issue to HPPK, its successors, or its Patents, in accordance with the terms of this assignment and transf	assigns, as assigns	and under all internation gnee of my entire right,	nal agreements whose title, and interest, said
AND I HEREBY covenant and agree that I will, each time a resuch papers as may be necessary or desirable to perfect the til HPPK, its successors, or its assigns; communicate to HPPK, its suall known facts respecting said inventions. Applications for Patent, and sign all lawful papers (including, without limitation, division applications) relating to said inventions, Applications for Patent, agenerally to do everything possible to aid HPPK, its successors, its assigns, its nominees, or its legal representatives its successors, its assigns, its nominees, or its legal representatives.	le in said invent occessors, its ass, and Patents; ten hal applications, and Patents; and s assigns, its nor il property protect in lending such o	ions, Applications for P igns, its nominees, or its stify in any legal or admi continuation application I make all rightful oaths ninees, and its legal rep ion for said Inventions,	Patent, and Patents, to s legal representatives, inistrative proceedings ns, CIPs, and reisse s and declarations and presentatives to obtain, Applications for Patent
IN WITNESS WHEREOF, I hereunto set my hand and seal.			
Shun Ikeuva	4	Mar	2019
Inventor's Signature	Day	Month	Year
Shun Ikeura			

Rev 8/2018 (HPPK Assignment)

PATENT	APPL	JCATI	ION

HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

RECORD	ID:	84964295

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, agree to assign and

transfer and hereby assign and transfer to HP PRII Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, I title, and interest, including all rights of priority, in, i parentheses if said application for patent is in another	Korea, (hereinafter "HPF o, and under an appli	PK"), its s	successors, and its	assigns, my entire right,
トナーの除去 (Removal of Toner)				
Filing Date: 18 Jul 2018 App	lication No.: 2018-13	34672		Patent Office: JP
the subject matter, including any and all inventions, im herein "patent" refers to any form of intellectual proper design rights, and utility model rights) (hereinafter "I country or region or under any international agreement patent, any and all applications for patent directly or it said Inventions, any and all applications for patent findirectly claims priority or benefit, and any and all color, divisional applications of, national-phase application or patent for any of said Inventions) (here on or as a result of said Applications for Patent (here of said Applications for Patents).	ty protection including, need to any of said layers and a to for any of said Invent officety claiming priorition which any applications to one of, regional-phase, inafter "Applications to the said of the said o	without lift existing ions (included) y to or bettion for portion application returns the continuation of	mitation, invention g and future appliuding, without limitenefit of any applicoatent for any of suation-in-part applicons of, renewals grany and all pate	rights, utility patent rights, ications for patent of any tation, said application for action for patent for any of said Inventions directly or cations (hereinafter CIPs) of, and substitutes for any its which may be granted
I HEREBY represent that I convey my full rights entire right, title, and interest herein assigned and tranconflict herewith;				
AND I HEREBY authorize HPPK, its success Applications for Patent in its name or my name i authorize HPPK, its successors, its assigns, its nomin and patent office of said application for patent, now ide	n any country or region ees, and its legal repres	n or und entatives	er any internation s to insert the filing	al agreement, and further date, application number
AND I HEREBY authorize and request the official duty it is to issue patents, to issue to HPPK, its succeptants, in accordance with the terms of this assignment.	essors, or its assigns, a			
AND I HEREBY covenant and agree that I will, eschipapers as may be necessary or desirable to pHPPK, its successors, or its assigns; communicate to all known facts respecting said Inventions, Application and sign all lawful papers (including, without limits applications) relating to said Inventions, Applications generally to do everything possible to aid HPPK, its smaintain, and enforce; for its or their own benefit, propared Patents, provided the expenses which may be in its successors, its assigns, its nominees, or its legal results.	perfect the title in said HPPK, its successors, its for Patent, and Patention, divisional application, divisional application, divisional assigns; its assigns; per intellectual property purred by me in lending	Invention its assign nts; testifutions, co its; and n its nomin protection	ns, Applications for ns, its nominees, of y in any legal or a ontinuation applice nake all rightful or nees, and its legal n for said Invention	r Patent, and Patents, to r its legal representatives idministrative proceedings tions, CIPs, and reissue aths and declarations and representatives to obtain is, Applications for Patent
IN WITNESS WHEREOF, I hereunto set my han	d and;seal:			
Satoru Hori		4	Mar.	2019
Inventor's Signature	D	ay	Month	Year
Satoru Hori Given (First and Middle) Name(s) Family Name				

Rev 8/2018 (HPPK Assignment)

REEL: 054184 FRAME: 0664