506321857 10/26/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6368607

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOICHI YOSHIDA	04/11/2019
YASUYUKI ISHII	04/09/2019
KOICHIRO TAKASHIMA	04/11/2019

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:	17050732

CORRESPONDENCE DATA

Fax Number:

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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Address Line 2: MAIL STOP 35

Address Line 4: FORT COLLINS, COLORADO 80528-9544

ATTORNEY DOCKET NUMBER:	85954930
NAME OF SUBMITTER:	MEHDI D. SHEIKERZ - REG. NO. 41,307
SIGNATURE:	/Mehdi D. Sheikerz/
DATE SIGNED:	10/26/2020

Total Attachments: 3

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PATENT 506321857 REEL: 054168 FRAME: 0755

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

RECORD ID:	84964242

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):

画像形成装置 (imaging device)				
Filing Date: July 11, 2018	Application No.:	2018-131701		Patent Office:;
the subject matter, including any and all invent herein "patent" refers to any form of intellectual design rights, and utility model rights) (herein country or region or under any international as patent, any and all applications for patent directly claims priority or benefit, and any and of, divisional applications of, national-phase as application for patent for any of said Invention on or as a result of said Applications for Pate of said Applications for Patent or said Patents.	al property protection in nafter "Inventions"); a greement for any of sa ctly or indirectly claiming patent from which and all continuation applia applications of, regional (hereinafter "Applicant (hereinafter "Patent	icluding, without ny and all existi iid Inventions (in- ng priority to or ly application for ications of, conti- al-phase applical ations for Patent	limitation, invention ng and future app cluding, without lim penefit of any appli patent for any of nuation-in-part appli ions of, renewals "); any and all pate	n rights, utility patent rights, lications for patent of any litation, said application for cation for patent for any of said Inventions directly or lications (hereinafter CIPs) of, and substitutes for any ants which may be granted
I HEREBY represent that I convey my fi entire right, title, and interest herein assigned conflict herewith;	ull rights in all countrie and transferred, and th	es and regions a nat I have not ex	and under all intern ecuted and will not	ational agreements to the execute any agreement in
AND I HEREBY authorize HPPK, its s Applications for Patent in its name or in its authorize HPPK, its successors, its assigns, its and patent office of said application for patent,	name in any country s nominees, and its leg	or region or unitality	der any internation es to insert the filing	ial agreement, and further date, application number,
AND I HEREBY authorize and request the duty it is to issue patents, to issue to HPPK, in Patents, in accordance with the terms of this a	its successors, or its a	ssigns, as assig		
AND I HEREBY covenant and agree that such papers as may be necessary or desiral HPPK, its successors, or its assigns; communal known facts respecting said Inventions. Apand sign all lawful papers (including, witho applications) relating to said Inventions, Applications) relating to said Inventions, Applications, and enforce, for its or their own beneand Patents, provided the expenses which maits successors, its assigns, its nominees, or its	able to perfect the title ilicate to HPPK, its suc- oplications for Patent, a ut limitation, divisional lications for Patent, an PK, its successors, its efit, proper intellectual ay be incurred by me in	in said Invention cessors, its assignand Patents; test applications, on applications, on d Patents; and assigns, its nom property protection	ons, Applications for gris, its nominees, of ify in any legal or a continuation application make all rightful of inees, and its legal on for said Invention	or Patent, and Patents, to or its legal representatives, administrative proceedings ations, CIPs, and reissue aths and declarations and I representatives to obtain, ns, Applications for Patent,
IN WITNESS WHEREOF, I hereunto set	my hand and seal:			
Yoich Yoshida Inventor's Signature	·	Day	4 Month	2019 Year
Yoichi Yoshida				
Given (First and Middle) Name(s) Family Nam	ie			
Rev 8/2018 (HPPK Assignment)				

PATENT REEL: 054168 FRAME: 0756

84964242

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

ASSIGNMENT OF PATENT APPLICATION

I, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledge

### Patent Office: JP Patent Paten	Samsung-ro, Y title, and inter	eongtong-gu, l est, including	Suwon-si, Gyeor all rights of prio	HP PRINTING KORE	A CO., LTD., h. after "HPPK"). its	aving a principal successors and	business address of 129, its assigns, my entire right, (English-language title in
the subject matter, including any and all inventions, improvements, and discoveries, set torth in said application for patent (as use herein* patent* refers to any form of intellectual property protection including, without limitation, invention rights, utility patent rights design rights, and utility model rights) (hereinsetter "inventions"); any and all existing and future applications for patent directly or indirectly claiming priority to or benefit of any application for patent for any of said inventions (including, without limitation, said applications for patent for any of said inventions, any and all applications for patent for any of said inventions, any and all applications for patent for any of said inventions, any and all applications for patent for my of said inventions, and applications for patent for any of said inventions, and applications of, regional-phase applications of, regional-phase applications of, regional-phase applications of, and substitutes for any application for patent for any of said inventions) (hereinafter "Applications for Patent"); any and all patents which may be granted on as a result of said Applications for Patent (hereinafter "Patents"); and any any all patents which may be granted on as a result of said Applications for Patent (said Patents). I HERCESY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith; AND I HERCESY authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreements whose duty it is to issue patents, to issue to HPPK, its successors, or its assigns, as assignee of my entire right, title, and interest, said applications for patent, now identified by the Record ID and title set forth above, when kn	画像形成装置	t (imaging de	vice)				
herein 'patent' refers to any form of intellectual property protection including, without limitation, invention rights, willty patent rights design rights, and utility model rights). (Interinational agreement for any of said Inventions (including, without limitation, said application for patent provided in a significant of any application of patent any and all applications for patent directly or indirectly claims priority or benefit, and any and all continuation applications or patent for any of said inventions, any and all applications for patent from which any application for patent for any of said inventions directly or indirectly claims priority or benefit, and any and all continuation applications or patent for any of said inventions directly or indirectly claims priority or benefit, and any and all continuation applications or, encountable applications of, and substitutes for an application for patent for any of said inventions) (hereinafter "Applications for Patent"); any and all patents which may be granted on or as a result of said Applications for Patent (hereinafter "Patents"); and any and all reissues, reexaminations, and extensions of said Applications for Patent or said Patents. I HEREBY represent that I convey my full rights in all countries and regions and under all international agreements to the entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement it conflicts herewith: AND I HEREBY authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to file said authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to file said sultorize HPPK, its successors, its assigns, its nominees, or its assigns and patent office of said application for patent, now identified by the Record ID and title set forth above. AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to	Filing Date:	July 11, 2018		Application No.:	2018-131701		Patent Office: JP
entire right, title, and interest herein assigned and transferred, and that I have not executed and will not execute any agreement in conflict herewith; AND I HEREBY authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to file said Applications for Patent in its name or in my name in any country or region or under any international agreement, and furthe authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to insert the filing date, application number and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them: AND I HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPPK, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer; 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; each invention applications, CIPs, and reissue applications or lating to said Inventions. Applications for Patent, and Patents; and make all rightful oaths and declarations and generally to de verything 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 ass	herein "patent" design rights, country or regi patent, any an said Inventions indirectly claim of, divisional a application for on or as a resi	" refers to any f and utility modion or under and d all application s, any and all as priority or be applications of, patent for any ult of said Appl	orm of intellecture del rights) (here any international a nes for patent dire applications for nefit, and any ar national-phase of said inventionalications for Pate	al property protection in inafter "Inventions"); a igreement for any of sa- eatty or indirectly claims patent from which an ind all continuation appli- applications of, regions ins) (hereinafter "Applicant (hereinafter "Patent	ncluding, without ny and all existi aid Inventions (in ing priority to or I y application for ications of, conti- al-phase applicat attons for Patent	limitation, inventiong and future applications, without linderent for any of patent for any of nuation-in-part applications of, renewals "1: any and all pat	n rights, utility patent rights, plications for patent of any nitation, said application for ilcation for patent for any of said inventions directly or plications (hereinafter CIPs) of, and substitutes for any ents which may be granted
Applications for Patent in its name or in my name in any country or region or under any international agreement, and furthe authorize HPPK, its successors, its assigns, its nominees, and its legal representatives to insert the filling date, application number and patent office of said application for patent, now identified by the Record ID and title set forth above, when known to them: AND! HEREBY authorize and request the officials of all countries and regions and under all international agreements whose duty it is to issue patents, to issue to HPPK, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer; AND! HEREBY covenant and agree that it 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, 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: IN WITNESS WHEREOF, I hereunto set my	entire right, title	e, and interest	at I convey my f herein assigned	ull rights in all countrie and transferred, and th	es and regions a nat I have not ex	ind under all inten ecuted and will no	national agreements to the tecture any agreement in
duty it is to issue patents, to issue to HPPK, its successors, or its assigns, as assignee of my entire right, title, and interest, said Patents, in accordance with the terms of this assignment and transfer; 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: Applications or 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: Day Month Year Year	Applications for authorize HPP	or Patent in its K, its successo	name or in my irs, its assigns, it	name in any country s nominees, and its led	or region or und al representative	der any internation es to insert the filin	nal agreement, and further a date, application number
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: Output Day Month Year Year	duty it is to iss	ue patents, to	issue to HPPK,	its successors, or its a	ssigns, as assigi	and under all interr nee of my entire ri	national agreements whose ght, title, and interest, said
Gasuyuka Jehn 2019 Inventor's Signature Day Month Year Yasuyuki Ishii	such papers a HPPK, its succ all known facts and sign all is applications) re generally to do maintain, and e and Patents, pi	is may be nec- cessors, or its a s respecting sai awful papers (elating to said b everything po- enforce, for its of rovided the exp	essary or desira issigns; communi id Inventions, Ap including, witho Inventions, Appl ssible to aid HPI or their own bene penses which ma	able to perfect the title dicate to HPPK, its sucception in the sucception of the successors, its dications for Patent, and perfect of the successors, its effit, proper intellectual pay be incurred by me in	in said Invention cessors, its assigned Patents; test applications, c id Patents, and it assigns, its nominopoperty protection	ins, Applications f ins, its nominees, ify in any legal or ontinuation applic make all rightful o nees, and its lega in for said Inventio	or Patent, and Patents, to or its legal representatives, administrative proceedings ations, CIPs, and reissue aths and declarations and I representatives to obtain, ns. Applications for Patent
Yasuyuki Ishii	IN WITNE	ESS WHEREOF	F, I hereunto set	my hand and seal:			
Yasuyuki Ishii	Gasuyi	uki (Ishii		9	April	2019
	inventor's Signat	ure			Day	Month	Year
		Viiddle) Name(s)) Family Nam				

Rev 8/2018 (HPPK Assignment)

PATENT APPLICATION

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

RECORD ID:	84964242
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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):

圖像形線装置 (imaging device)				
Filling Date: July 11, 2018	Application No.:	2018-131701		Patent Office: JP
the subject matter, including any and all in herein "patent" refers to any form of intelled design rights, and utility model rights) (to country or region or under any internation patent, any and all applications for patent said inventions, any and all applications indirectly claims priority or benefit, and an of, divisional applications of, national-pha application for patent for any of said Inve- on or as a result of said Applications for lo of said Applications for Patent or said Patent	actual property protection in pereinafter "Inventions"); and all agreement for any of sa directly or indirectly claiming for patent from which any y and all continuation applies y applications of, regional tions) (hereinafter "Applications)	cluding, without liny and all existing and all existing id Inventions (incling priority to or bey application for particular of, continual-phase applications for Patent")	mitation, invention of and future applicuding, without limitenefit of any applicuation for any of suation-in-part applicus of, renewals of; any and all pater	rights, utility patent rights cations for patent of any ation, said application for ation for patent for any or aid Inventions directly or cations (hereinafter CIPs) f, and substitutes for any its which may be granted
I HEREBY represent that I convey rentire right, title, and interest herein assig conflict herewith;				
AND I HEREBY authorize HPPK, Applications for Patent in its name or in authorize HPPK, its successors, its assign and patent office of said application for pa	my name in any country s, its nominees, and its leg	or region or unde al representatives	er any internationa to insert the filing	I agreement, and further date, application number,
AND I HEREBY authorize and reque duty it is to issue patents, to issue to HPI Patents, in accordance with the terms of the second of the secon	PK, its successors, or its a	ssigns, as assigne	nd under all interna se of my entire rigi	tional agreements whose nt, title, and interest, said
AND I HEREBY covenant and agree such papers as may be necessary or de HPPK, its successors, or its assigns; com all known facts respecting said inventions and sign all fawful papers (including, wapplications) relating to said Inventions, generally to do everything possible to aid maintain, and enforce, for its or their own I and Patents, provided the expenses which its successors, its assigns, its nominees, or	esirable to perfect the title municate to HPPK, its success. Applications for Patent, a dithout limitation, divisional Applications for Patent, an HPPK, its successors, its penefit, proper intellectual proper may be incurred by me in	in said Invention bessors, its assign and Patents; testif applications, co d Patents; and massigns, its nomin property protection	is, Applications for is, its nominees, or y in any legal or ac ntinuation applicat lake all rightful cal lees, and its legal re i for said inventions	Patent, and Patents, to its legal representatives, iministrative proceedings ions, CIPs, and reissue hs and declarations and representatives to obtain, a, Applications for Patent,
IN WITNESS WHEREOF, I hereunto	set my hand and seal:			
Koichire Fakash	ina	// Day	Apri/	2019 Year

Rev 8/2018 (HPPK Assignment)

PATENT REEL: 054168 FRAME: 0758

RECORDED: 10/26/2020