# 506677000 05/21/2021

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
MATHEW LAVIGNE	01/31/2018
JEFFREY LUKE	01/29/2018
SEAN DANIEL FITZGERALD	01/29/2018
DEAN RICHTSMEIER	01/29/2018
KENNETH SMITH	01/30/2018

## RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	
Street Address:	10300 ENERGY DRIVE	
City:	SPRING	
State/Country:	TEXAS	
Postal Code:	77389	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	17327327	

## **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:
 360 212 4870

 Email:
 ipa.mail@hp.com

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD

Address Line 2: MAIL STOP 35

Address Line 4: FORT COLLINS, COLORADO 80528-9544

ATTORNEY DOCKET NUMBER:	86029579
NAME OF SUBMITTER:	GEORGE C. ECKERT
SIGNATURE:	/George C. ECKERT/
DATE SIGNED:	05/21/2021
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**Total Attachments: 6** 

PATENT REEL: 056317 FRAME: 0982

PATENT REEL: 056317 FRAME: 0983

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

RECORD ID:	700229316
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### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

#### PRINT SUBSTANCE END-OF-LIFE PREDICTIONS

Filing Date: January 31, 2018 Application No.: PCT/US2018/01612
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and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we 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 to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful caths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

11/1/4	OF, I/we/hereunto se	t my/our hand(s) an	and seal(s): $\frac{1-31-2019}{\text{Date}}$
Mathew	/ Lavigne		
First/Middle Name	Last Name		_
Inventor's Signature			Date
Jeffrey	Luke		
First/Middle Name	Last Name		
Rev 87/014 (Assignment)		Page 1 of 2	

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# PATENT APPLICATION

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

RECORD ID:	700229316

### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

#### PRINT SUBSTANCE END-OF-LIFE PREDICTIONS

Filing Date: _ January 31, 2018	Application No.: PCT/US2018/016128
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and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Patent.

I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we 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 to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful caths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

1/1/20	OF, I/we hereunto se	t my/our hand(s) an	d seal(s): 1-31-2018
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Inventor's Signature			Date
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run Comins, Colorado 805.	25	RECORD ID:	700229316
	ASSIGNMENT OF PA	TENT APPLICATION (cor	nt.)
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First/Middle Name	Last Name		
Paul Inventor's Signature		Date	1/26/12
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Inventor's Signature		Date	
Kenneth	Smith		
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Page 2 of 2

HP Inc. 3390 E. Harmony Road		PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	700229316
ASSIGNMENT OF F  I/We, the undersigned (each), for good and valuable and in furtherance of my/our obligations to HEWLET Limited Partnership having its principal place of bus subsidiaries and affiliates, agree to assign and transfer assigns, the entire right, title and interest, including the entitled:  PRINT SUBSTANCE END-OF-LIFE PREDICTIONS	T-PACKARD DEVELO: siness in Houston, Tex and hereby assign and t	ipt of which is hereby acknowledged, PMENT COMPANY, i.P., a Texas as, (hereinafter HPDC), and to its ransfer to HPDC, its successors and
Filing Date: January 31, 2018	Application No.:	PCT/US2018/016128
and the invention(s) and improvement(s) set forth therein divisionals, and renewals of and substitutes for said ap- countries thereto which may be granted thereon or theref- Patent.	n, and any and all continuitions for said Patent,	and any and all other Patent of any
I/we additionally authorize HPDC to file applications in by HPDC, its successors, assigns, nominees or legal rep Patent respectively may be granted, reissued or extended enjoyed by me/us had this assignment, and transfer not be-	resentatives, to the full e it, as fully and entirely as	nd of the term or terms for which said
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AND I/we hereby authorize and request the official of applications as aforesaid, to issue to HPDC, as assigned invention(s) or improvement(s) which may be issued as accordance with the terms of this assignment.	of the entire right, title as	nd interest, any and all Patent for said

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified try the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature	***************************************		Date
Mathew	Lavigne		
First/Middle Name	Last Name		
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Inventor's Signature	***************************************		Date
Jeffrey	Luke		
First/Middle Name	Last Name		
Rev 8/2014 (Assignment)		Page 1 of 2	

HP Inc.	
3390 E. Harmony Road	
Mail Stop 35	
Fort Collins, Colorado 8052	q

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	ASSIGNMENT OF PATENT APP	LICATION (cont.)	
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