PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NAVEEN MURALIMANOHAR	01/29/2016
ALI SHAFIEE ARDESTANI	02/01/2016

RECEIVING PARTY DATA

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Street Address:	11445 Compaq Center Drive West	
City:	Houston	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16073650

CORRESPONDENCE DATA

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Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER: 90627179

NAME OF SUBMITTER: LIZ COON

SIGNATURE: /Liz Coon/
DATE SIGNED: 08/06/2018

Total Attachments: 2

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PATENT 505037948 REEL: 046564 FRAME: 0020

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

RECORD ID:	90128283

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in

principal place of business transfer and hereby assign	in Houston, Texas, (hereinafter HPED).	and to its subsidiaries and affiliates, agree to assign and and assigns, the entire right, title and interest, including its
DOT PRODUCT ENGINE	WITH NEGATION INDICATOR	
Filing Date:	,	plication No.:
divisionals and renewals	of and substitutes for said application	ny and all continuations, continuations-in-part (C-I-P's), for said Patent, and any and all other Patent of any any reissues, or reexaminations, or extensions of said
by HPED, its successors, Patent respectively may be	assigns, nominees or legal representat	name for Patent in any country, to be held and enjoyed was, to the full end of the term or terms for which said by and entirely as the same would have been held and a
executed and will not exertime a request is made, as perfect the little to said invinominees or legal repressaid invention(s) or impropapers, to execute all distribution of the said legal representatives and legal representatives.	cute any agreement in conflict herewith, not without undue delay, execute and deli- entatives, or improvement(s), said applica- entatives, and I/we agree to communicate verment(s), said application and said Pat- sclaimers and divisionals, continuations tions, and generally to do everything pot to obtain and enforce, for its or their own and all countries provided the expense	ne entire interest herein assigned, and that I/we have not and I/we further covenant and agree that I/we will, each wer all such papers as may be necessary or desirable to ation and said Patent, to HPED, its successors, assigns, to HPED, or to its nominee, all known facts respecting ent, to testify in any legal proceedings, to sign all lawful C-I-P's, reissue and foreign applications, to make all assible to aid HPED, its successors, assigns, nominees a benefit, proper patent protection for said invention(s) or as which may be incurred by me/us in lending such
applications as aforesaid	to issue to HPEO, as assignee of the ent(s) which may be issued and gran	ountry or countries whose duty it is to issue patents on onlire right, title and interest, any and all Patent for said ted on or as a result of the application aforesaid, in
I/we further authoriz application for Patent, now known to them.	e and direct the attorneys of record to videntified by the Record ID and title set	insert the filing date and application number of said forth above, as soon as the same shall have been made
IN WITNESS WHEREOF	, I/we hereunto set my/our hand(s) and sea	(5):
//	1/	Jan 29 2016
Inventor's Signature		Date Date
-	M. altanana Nan	
Naveen First/Middle Name	Muralimanohar Last Name	
LII 20 MRODIE MAILIE	Red (1901)	
Inventor's Signature		Date
Ali	Shafiee Ardestani	
First/Middle Name	Last Name	
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PATENT REEL: 046564 FRAME: 0021 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

DATE	TIA:	٠ ٨	DDI	IC A	TION

RECORD ID:	90128283

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 Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

DOT PRODUCT ENGINE WITH NEGATION INDICATOR **Application No.:** Filing Date: 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 I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, 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 HPED, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPED, 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 oaths and declarations, and generally to do everything possible to aid HPED, 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 HPED; 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 HPED, 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. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inventor's Signature Date Naveen Muralimanohar First/Middle Name Last Name Inventor's Signature Date Ali Shafiee Ardestani First/Middle Name Last Name

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Rev 06/15