504680046 12/11/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4726768

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY	' DATA					
			Name	Execution Date		
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SOUVIK SEN				06/25/2015		
STEPHANE LAROCHE				06/26/2015		
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Property TypeApplication Number:15733		1573	5225			
Application Number:1573		15735	5225			
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NAME OF SUBMITTER:			KATHY HUNGSBERG			
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DATE SIGNED:		12/11/2017				
Total Attachments: 2						
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HEWLETT-PACKARD COMPANY		PATENT APPLICATION
Intellectual Property Administrator		
3404 E. Harmony Road		in a site of a strain
Mail Stop 35	RECORD ID:	84264147
Fort Collins, Colorado 80528		

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.

TRANSMISSIONS OF UNICAST FRAMES TO CLIENT DEVICES

Filing Date: 12/11/2017 Application No.: 15/735225

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 l/we hereby covenant that l/we have full right to convey the entire interest herein assigned, and that l/we have not executed and will not execute any agreement in conflict herewith, and l/we further covenant and agree that l/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 l/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 tegal 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 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 l/we hereby authorize and request the official of any country or countries whose duty it is to issue patients on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patient 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):

Lee

Sen

Last Name

Last Name

Inventor's Signature

Date

2015

6/25/2015

Date

Jeonakeun First/Middle Name

4

Inventor's Signature

Souvik

First/Middle Name

Rev 6/2014 (Assignment)

Page 1 of 2

PATENT REEL: 044348 FRAME: 0054

HEWLETT-PACKARD COMPANY Intellectual Property Administrator				PATENT APPLICATION
3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528		REC	ORD ID:	84264147
	SSIGNMENT OF		CATION (cont.)	
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Inventor's Signature			Date	26,2015
Stephane	Laroche			
First/Middle Name	Last Name			
Inventor's Signature			Date	
First/Middle Name	Last Name			
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First/Middle Name	Last Name			
Rev 8/2014 (Assignment)		Page 2 of 2		

RECORDED: 12/11/2017

PATENT REEL: 044348 FRAME: 0055