505157024 10/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT5203791

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONALDO ROD FERREIRA	03/20/2017
ENDRIGO NADIN PINHEIRO	03/17/2017
FABIO D. RIFFEL	03/17/2017
CHRISTOPHER C. MOHRMAN	03/21/2017

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State/Country:	TEXAS
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16084104

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NAME OF SUBMITTER:	JOHN E. NEMAZI
SIGNATURE:	/John E. Nemazi/
DATE SIGNED:	10/24/2018

Total Attachments: 3

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PATENT REEL: 047296 FRAME: 0442

iP Inc.		7
390 E. Hai	rmony Road	
Mail Stop 3	5	
Fort Cottins	, Colorado 805:	28

PATENT APPLICATION

RECORD ID:	700226621
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ASSIGNMENT OF PATENT APPLICATION

and in furtherance of my/our c Limited Partnership having its subsidiaries and affiliates, agree	obligations to HEWLETT-PACKARE principal place of business in Hor to assign and transfer and hereby a	n, the receipt of which is hereby acknowledged, I DEVELOPMENT COMPANY, L.P., a Texas uston, Texas, (hereinafter HPDC), and to its ssign and transfer to HPDC, its successors and trity, in, to and under an application for Patent
OPERATING SYSTEM RETRIE	VAL	
Filing Date: September	11, 2018 Applica	tion No.: 16/084104
divisionals, and renewals of and	substitutes for said application for s	d all continuations, continuations-in-part (C-I-P's), aid Patent, and any and all other Patent of any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigni	s, nominees or legal representatives, t ed, reissued or extended, as fully and	for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said entirely as the same would have been held and
executed and will not execute any time a request is made, and without perfect the title to said invention(s nominess or legal representatives said invention(s) or improvement(papers, to execute all disclaimer rightful oaths and declarations, an legal representatives to obtain as improvement(s) in any and all couland assistance are paid by HPDC	y agreement in conflict herewith, and li- but undue delay, execute and deliver all c) or improvement(s), said application a c, and l/we agree to communicate to H s), said application and said Patent, to s and divisionals, continuations, C-I-F d generally to do everything possible to nd enforce, for its or their own benefit intries provided the expenses which ma	ire interest herein assigned, and that I/we have not we further covenant and agree that I/we will, each is such papers as may be necessary or desirable to ind said Patent, to HPDC, its successors, assigns, PDC, or to its nomines, all known facts respecting testify in any legal proceedings, to sign all lawful P's, reissue and foreign applications, to make all aid HPDC, its successors, assigns, nominees and proper patent protection for said invention(s) or y be incurred by me/us in lending such cooperation or countries whose duty it is to issue patents on
applications as aforesaid, to issue	e to HPDC, as assignee of the entire which may be issued and granted or	right, title and interest, any and all Patent for said or as a result of the application aforesaid, in
	ž	t the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/w	e hereunto set my/our hand(s) and	seal(s):
		03. O. 2017
Inyentor's Signature		Date
Ronaldo Rod	Ferreira	
First/Middle Name	Last Name	,
Ward to	7	03/12/12
Inventor's Signature/		Date
Endrigo Nadin	Pinheiro	
First/Middle Name	Last Name	
Rev 8/2014 (Assignment)	Page for 2	

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

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	700226621
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Frenc D. RIFFE	<u>/</u>	03,	117/17
-		Date	
Fabio	Riffel	Polywiddowydd air digwydd ag ar argannig yn argann y gann y gann y glyn yr	·
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Christopher C	Mohrman		
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KIP inc.
3380 E. Harmony Road
Mail Stop 15 Fort Collins, Colorado 80528

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.) Sverior's Signature Sabio Ruffel Inst.Middle Name Last Name Oete Christopher C Mohrman Last Name Dete Sist/Middle Name Last Name Last Name Dete De	Fort Collins, Colorado 80528		RECORD ID:	
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