

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sam Carter</td> <td>06/29/2012</td> </tr> <tr> <td>Mitur Sakoda</td> <td>06/29/2012</td> </tr> <tr> <td>Brian DaRosa</td> <td>07/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sam Carter	06/29/2012	Mitur Sakoda	06/29/2012	Brian DaRosa	07/17/2012				
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<table border="1"> <tr> <td>Name:</td> <td>LONGSAND LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>Autonomy House, Cowley Road</td> </tr> <tr> <td>Internal Address:</td> <td>Cambridge Business Park</td> </tr> <tr> <td>City:</td> <td>Cambridge, Cambridgeshire</td> </tr> <tr> <td>State/Country:</td> <td>UK</td> </tr> <tr> <td>Postal Code:</td> <td>CB4 0WZ</td> </tr> </table>		Name:	LONGSAND LIMITED	Street Address:	Autonomy House, Cowley Road	Internal Address:	Cambridge Business Park	City:	Cambridge, Cambridgeshire	State/Country:	UK	Postal Code:	CB4 0WZ
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (970)778-4063 Phone: (541)715-8443 Email: pto.assignments@hp.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Hewlett-Packard Company Address Line 1: 3404 E. Harmony Road MS 35 Address Line 2: Intellectual Property Administration Address Line 4: Fort Collins, COLORADO 80528													
NAME OF SUBMITTER:	Laura M. Zavala												
Total Attachments: 6 source=83012734_Assignment#page1.tif													

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HEWLETT-PACKARD COMPANY
Intellectual Property Administrator
3404 E. Harmony Road
Mail Stop 35
Fort Collins, Colorado 80528

PATENT APPLICATION

RECORD ID: 83012734

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to LONGSAND LIMITED, a company having its principal place of business at Autonomy House, Cambridge Business Park, Cowley Road, Cambridge CB4 0WZ, United Kingdom (hereinafter LONGSAND), in furtherance of my/our obligations to LONGSAND and its subsidiaries and affiliates, and do hereby assign and transfer to LONGSAND, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

GRAPHICALLY REPRESENTING AN INPUT QUERY

Filing Date: June 29, 2012

Application No.: 13/537744

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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize LONGSAND to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by LONGSAND, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters 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 Letters Patent, to LONGSAND, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to LONGSAND, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters 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 LONGSAND, 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 LONGSAND;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to LONGSAND, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States 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 serial number and filing date of said application now identified by the Record ID and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.


Inventor's Signature

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Mitur Sakoda
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Brian DaRosa

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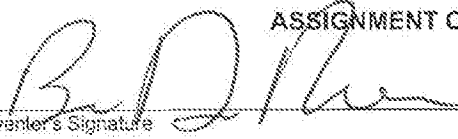
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