PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ohad Assulin	02/13/2013
Ira Cohen	09/27/2012
Eli Mordechai	09/27/2012
Boaz Shor	10/24/2012
Alon Sade	09/24/2012

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13629885

CORRESPONDENCE DATA

Fax Number: 9707784063

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (541)715-8443

Email: pto.assignments@hp.com

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: Deborah Higham

Total Attachments: 10

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PATENT REEL: 029959 FRAME: 0390

PATENT APPLICATION

RECORD ID:	83098499
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ASSIGNMENT OF PATENT APPLICATION

I/Ve, the undersigned (each) have agreed and hereby agree, that 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 Pertnership having its principal place of business in Houston. Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to 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

RESPONDING TO NATURAL LANGUAGE QUERIES

Filing Date: Sop 28, 2012	Application No.: 13/629865
and the invention(s) and improvement(s) set forth therein, and divisionals, and renewals of and substitutes for said applications.	ation for said Patent, and any and all other Patent of an
countries thereto which may be granted thereon or therefore.	and any reissues, or reexaminations, or extensions of sak
Patent	

tiwe additionally authorize HPDC to file applications in mylour 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 Patern 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 live hereby coverant that live have full right to convey the entire interest herein assigned, and that live 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 tiwe 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+Ps, 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 end all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND tiwe 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.

live 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):

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Inventor's Signature			Date Assignment Signed
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Inventor's Typed Nan	ne		Date Application Signed
Rev 10/2012 (Assignment)		Page 1 of 2	

PATENT REEL: 029959 FRAME: 0391

PATENT APPLICATION

RECORD ID:	83098499

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Eli Mordechai	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
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Boaz Shor Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Alon Sade	
Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed

PATENT APPLICATION

RECORD ID:	83098499

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Pertnership having its principal place of business in Houston, Texas, (hereinafter HiPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do 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 Letters Patent of the United States entitled:

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ication No.: 13/629885
ny and all continuations, continuations-in-part (C- tion for said Letters Patent, and any and all Letter
ich may be granted thereon or therefore; and an
ny/our name for Letters Patent in any country, to b

I/we additionally authorize HPDC to file applications in my/our name for Letters 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 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 with 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 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 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 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 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 HPDC, 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	Date Assignment Signed
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Inventor's Typed Name	Date Application Signed
	Sept. 27 2012
Inventor's Signature	Data Assignment Signed
Ira Cohen	Sept 27 2012
Inventor's Typed Name	Date Application Signed

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Page 1 of 2

PATENT APPLICATION

RECORD ID:	83098499

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Ell Mordechai	
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Boaz Shor	
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Inventor's Typed Name	Date Application Signed

Ira Cohen

Inventor's Typed Name

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PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to easign to HEWLETT-PACKARD

Texas, (hersinafier HPDC), in furtherance of my/our subsidiaries and affiliates, and do hereby assign and trans	nership having its principal place of business in Houston, obligations to the Hewlett-Packard Company and its ster to HPDC, its successors and assigns, the entire right, ander an application for Letters Patant of the United States
P's), divisionats, and renewals of and substitutes for said a Patent of the United States and of countries foreign ther reissues, or reexaminations, or extensions of said Letters f	Application No.: 13/629885 , and any and all continuations, continuations-in-part (C-lapplication for said Letters Patent, and any and all Letters eto which may be granted thereon or therefore; and any Patent. Second S
held and enjoyed by HPDC, its successors, assigns, nomi- terms for which said Letters Patent respectively may be <u>c</u>	nees or legal representatives, to the full end of the term or granted, reissued or extended, as fully and entirely as the
we have not executed and will not execute any agreement that I/we will, each time a request is made, and without un necessary or desirable to perfect the title to said invention Patent, to HPDC, its successors, assigns, nominees or I HPDC, or to its nominee, all known facts respecting said Letters Patent, to testify in any legal proceedings, to sign a continuations, C-I-P's, reissue and foreign applications, to do everything possible to aid HPDC, its successors, assignifications, for its or their own benefit, proper patent protect countries provided the expenses which may be incurred apaid by HPDC. AND I/we hereby authorize and request the Command any official of any country or countries foreign to applications as aforesaid, to issue to HPDC, as assigned patent for said invention(s) or improvement(s), including a be issued and granted on or as a result of the application of I/we further authorize and direct the attorneys of	In to convey the entire interest herein assigned, and that I/ t in conflict herewith, and I/we further covenant and agree idue delay, execute and deliver all such papers as may be on(s) or improvement(s), said application and said Letters legal representatives, and I/we agree to communicate to invention(s) or improvement(s), said application and said all lawful papers, to execute all disclaimers and divisionals, make all rightful oaths and declarations, and generally to signs, nominees and legal representatives to obtain and ion for said invention(s) or improvement(s) in any and all by me/us in tending such cooperation and assistance are missioner of Patents and Trademarks of the United States the United States whose duty it is to issue patents on a of the entire right, title and inferest, any and all Letters any and all Letters Patent of the United States which may aforesaid, in accordance with the terms of this assignment, if record to insert the serial number and filing date of said forth above as soon as the same shall have been made
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Ohad Assulin Inventor's Typed Name	Date Application Signed
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Page 1 of 2

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Hermony Road Mail Stop 35

PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION

We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston;

Texas, (hereinafter HPDC), in furtherance of my/o subsidiaries and affiliates, and do hereby assign and to title and interest, including the right of priority, in, to an entitled:	ur obligations to the ansfer to HPDC, its succ	Hewlett-Packard Company and its sessors and assigns, the entire right,
RESPONDING TO NATURAL LANGUAGE QUERIES		
Filing Date: September 28, 2012	_ Application No.:	13/629885
and the invention(s) and improvement(s) set forth there P's), divisionals, and renewals of and substitutes for sa Patent of the United States and of countries foreign the reissues, or reexaminations, or extensions of said Letter I/we additionally authorize HPDC to file applications.	ein, and any and all cor id application for said L nerelo which may be gr rs Patent.	etters Patent, and any and all Letters anted thereon or therefore; and any
held and enjoyed by HPDC, its successors, assigns, noterms for which said Letters Patent respectively may be same would have been held and enjoyed by me/us had AND l/we hereby covenant that l/we have full we have not executed and will not execute any agreem that l/we will, each time a request is made, and without necessary or desirable to perfect the title to said inver Patent, to HPDC, its successors, assigns, nominees of HPDC, or to its nominee, all known facts respecting so Letters Patent, to testify in any legal proceedings, to sig continuations, C-i-P's, reissue and foreign applications, do everything possible to aid HPDC, its successors, enforce, for its or their own benefit, proper patent protocountnes provided the expenses which may be incurred paid by HPDC; AND l/we hereby authorize and request the Coland any official of any country or countries foreign in applications as aforesaid, to issue to HPDC, as assigned the expenses and any official of any country or result of the application be issued and granted on or as a result of the application live further authorize and direct the attorneys application now identified by the Record ID and title is known to them by the United States Patent and Tradem	e granted, reissued or a this assignment, and tra right to convey the entirent in conflict herewith, undue delay, execute a nilion(s) or improvement or legal representatives aid invention(s) or improvement all lawful papers, to enter a literature and invention assigns, nominees and ection for said inventiored by me/us in lending to the United States where of the entire right, in aforesaid, in accordance of record to insert the et forth above as soon	extended, as fully and entirely as the saster not been made; and interest herein assigned, and that is and if we further covenant and agree and deliver all such papers as may be (s), said application and said Letters, and if we agree to communicate to exement(s), said application and said secute all disclaimers and divisionals, as and declarations, and generally to legal representatives to obtain and (s) or improvement(s) in any and all such cooperation and assistance are and Trademarks of the United States hose duty it is to issue patents on title and interest, any and all Letters are the control of the United States which may are with the terms of this assignment, serial number and filing date of said
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Ohad Assulin		
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PATENT APPLICATION

RECORD ID:	83098499

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Eli Mordechai					
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Page 2 of 2

PATENT REEL: 029959 FRAME: 0398

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RECORD ID:	83098499

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do 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 Letters Patent of the United States entitled: RESPONDING TO NATURAL LANGUAGE QUERIES		
Filing Date: Sep 28, 2012 Applica	tion No.: 13/629885	
and the invention(s) and improvement(s) set forth therein, and any a P's), divisionals, and renewals of and substitutes for said application Patent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/o held and enjoyed by HPDC, its successors, assigns, nominees or leg terms for which said Letters Patent respectively may be granted, resame would have been held and enjoyed by me/us had this assignme AND I/we hereby covenant that I/we have full right to conve we have not executed and will not execute any agreement in conflict that I/we will, each time a request is made, and without undue delay, necessary or desirable to perfect the title to said invention(s) or impatent, to HPDC, its successors, assigns, nominees or legal repre HPDC, or to its nominee, all known facts respecting said invention(s) Letters Patent, to testify in any legal proceedings, to sign all lawful pacontinuations, C-I-P's, reissue and foreign applications, to make all r do everything possible to aid HPDC, its successors, assigns, nomenforce, for its or their own benefit, proper patent protection for said countries provided the expenses which may be incurred by me/us in paid by HPDC; AND I/we hereby authorize and request the Commissioner and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the en Patent for said invention(s) or improvement(s), including any and all be issued and granted on or as a result of the application aforesaid, in I/we further authorize and direct the attorneys of record to application now identified by the Record ID and title set forth above known to them by the United States Patent and Trademark Office.	for said Letters Patent, and any and all Letters may be granted thereon or therefore; and any ur name for Letters Patent in any country, to be gal representatives, to the full end of the term of issued or extended, as fully and entirely as the ent, and transfer not been made; y the entire interest herein assigned, and that let herewith, and I/we further covenant and agree execute and deliver all such papers as may be covered and deliver all such papers as may be covered and I/we agree to communicate to so or improvement(s), said application and said apers, to execute all disclaimers and divisionals gightful oaths and declarations, and generally to innees and legal representatives to obtain and divined invention(s) or improvement(s) in any and all hending such cooperation and assistance are of Patents and Trademarks of the United States States whose duty it is to issue patents or attre right, title and interest, any and all Letters Letters Patent of the United States which may accordance with the terms of this assignment, insert the serial number and filing date of said e as soon as the same shall have been made	
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Ohad Assulin		
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Ira Cohen Inventor's Typed Name	Date Application Signed	
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Rev 09/11 (Assignment) Page 1 of 2

PATENT APPLICATION

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ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Eli Mordechai	
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Boaz Shor	
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Alon Sade Inventor's Typed Name	9 / 24 / 2012. Date Application Signed
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Page 2 of 2

PATENT REEL: 029959 FRAME: 0400

RECORDED: 03/11/2013

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