Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Muralikrishna SRIDHAR	01/09/2009
Dinesh MANDALAPU	01/07/2009
Naveen Sundar GOVINDARAJULU	01/06/2009
Sriganesh MADHVANATH	01/05/2009

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:	12351595

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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

Phone: (970)898-4728

Email: jerry.shorma@hp.com

Correspondent Name: Hewlett-Packard Company

Address Line 1: PO Box 272400, 3404 E. Harmony Road Address Line 2: Intellectual Property Administration Address Line 4: Fort Collins, COLORADO 80527

NAME OF SUBMITTER: Gloria Gwee

Total Attachments: 8

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PATENT REEL: 022101 FRAME: 0743

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> PATENT REEL: 022101 FRAME: 0744

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION

ATTORNEY DOCKET NO. 200703264-2

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:	.,		
Method And Co	omputer Program Pi	oduct For Gen	erating Shortcuts For Launching Computer Program
Functionality C	On A Computer		
Filing Date:	January 9,	2009	12/351,595 Application No.:
P's), divisionals Patent of the U reissues, or ree	i, and renewals of and Inited States and of examinations, or exten	I substitutes for countries foreign sions of said Le	erein, and any and all continuations, continuations-in-part (C-I said application for said Letters Patent, and any and all Letters I therefore which may be granted thereon or therefore; and any there patent.

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 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 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

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 attorney docket number 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.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s)) and seal(s): $CG = C + CC$
Inventor's Signature (Seat)	Date Assignment Signed
Muralikrishna SRIDHAR	09-01-09
Inventor's Typed Name	Date Application Signed
State of LEEDS, YCRKSHIRE) County of United KING Den)s.:	
Before me this Hatlay of JAN-Aky of personally appeared	Muralikrishna SRIDHAR who is persona
known or proved to me on the basis of satisfactory evidence to be the assignment to be his/her free act and deed.	
Rev 10/08 (Assignment) Page 1 of 2	Notary Public My Commission Expires:

PATENT REEL: 022101 FRAME: 0745 HEWLETT-PACKARD COMPANY intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

Rev 10/08 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. ______ 200703264-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed Inventor's Signature (Seal) Dinesh MANDALAPU Inventor's Typed Name Date Application Signed State of) ss.: County of Before me this personally appeared_ Dinesh MANDALAPU who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public

My Commission Expires: Date Assignment Signed Inventor's Signature (Seal) Naveen Sundar GOVINDARAJULU Date Application Signed Inventor's Typed Name) ss.: County of Before me this day of , personally appeared Naveen Sundar GOVINDARAJULU who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary: Public
My Commission Expires Date Assignment Signed Inventor's Signature (Seal) Sriganesh MADHVANATH Inventor's Typed Name Date Application Signed State of) ss.: Before me this day of personally appeared <u>Sriganesh MADHVANATH</u> who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public
My Commission Expires

Page 2 of 2

PATENT REEL: 022101 FRAME: 0746

Rev 10/08 (Assignment)

PATENT APPLICATION

200703264-2 ATTORNEY DOCKET NO. ...

ASSIGNMENT OF PATENT APPLICATION

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

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 Method And Computer Program Product For Generating Shortcuts For Launching Computer Program Functionality On A Computer January 9, 2009 12/351,595 Application No.: 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 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 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 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 attorney docket number 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. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inventor's Signature (Seal) Date Assignment Signed Muralikrishna SRIDHAR Date Application Signed Inventor's Typed Name State of County of , personally appeared_ Muralikrishna SRIDHAR who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public My Commission Expires:

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

Rev 10/08 (Assignment)

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

	JP, I/We nereunto set my/our nand	i(s) and seal(s):
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Inventor's Signature (Seal)		Date Assignment Signed
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Inventor's Typed Name		Date Application Signed
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Inventor's Typed Name		Date Application Signed
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Sriganesh MADHVANATH		
Inventor's Typed Name		Date Application Signed
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		My Commission Expires:
Rev 10/08 (Assignment)	Page 2 of	2

Rev 10/08 (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO.

200703264-2

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 Method And Computer Program Product For Generating Shortcuts For Launching Computer Program **Functionality On A Computer** January 9, 2009 12/351,595 Filing Date: Application No.: 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 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 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 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 attorney docket number 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. IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s): Inventor's Signature (Seal) Date Assignment Signed Muralikrishna SRIDHAR inventor's Typed Name Date Application Signed State of) ss.: County of , personally appeared Before me this Muralikrishna SRIDHAR who is personally day of known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed. Notary Public My Commission Expires: Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703264-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)		Date Assignment Signed	
Dinesh MANDALAPU			
Inventor's Typed Name		Date Application Signed	
State of)		
County of) ss.:)		
Before me this day of known or proved to me on the basis assignment to be his/her free act and		Dinesh MANDALAPU the person who acknowledged the for	who is personally egoing instrument of
		Notary Public My Commission Expires:	
Inventor's Signature (Seal)		6th January 20 Date Assignment Signed	09
Naveen Sundar GOVINDARAJULU		Date Application Signed	9
Inventor's Typed Name		Date Application Signed	
State of)) ss.:		
County of)		
	of satisfactory evidence to be	Naveen Sundar GOVINDARAJULU the person who acknowledged the for	who is personally egoing instrument of
		Notary Public My Commission Expires:	
Inventor's Signature (Seal)		Date Assignment Signed	
Sriganesh MADHVANATH			
Inventor's Typed Name		Date Application Signed	
State of)) ss.:		
County of)		
	, personally appeared	Sriganesh MADHVANATH	who is personally
known or proved to me on the basis assignment to be his/her free act and of		the person who acknowledged the for	egoing instrument of
		Notary Public My Commission Expires:	
Rev 10/08 (Assignment)	Page 2 of 2		

PATENT APPLICATION

ATTORNEY DOCKET NO.

200703264-2

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Method And Computer Program Product For Generating Shortcuts For Launching Computer Program **Functionality On A Computer** 12/351,595 January 9, 2009 Filing Date: Application No.: 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 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 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 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:

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IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)		Date Assignment Signed	
Muralikrishna SRIDHAR			
Inventor's Typed Name		Date Application Signed	
State of)		
) ss.:		
County of)		
Before me this day of	, personally appeared	Muralikrishna SRIDHAR	who is personally
known or proved to me on the ba assignment to be his/her free act a	asis of satisfactory evidence to be the nd deed.	e person who acknowledged the fo	regoing instrument of
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Rev 10/08 (Assignment)	Page 1 of 2	My Commission Expires:	

PATENT APPLICATION

ATTORNEY DOCKET NO. 200703264-2

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IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)		Date Assignment Signed	
Dinesh MANDALAPU			
Inventor's Typed Name		Date Application Signed	
State of)		
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Before me thisday of	, personally appeared	Dinesh MANDALAPU	who is personally
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		My Commission Expires:	
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Sriganesh MADHVANATH		Jan 5, 2009 Date Application Signed	
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Rev 10/08 (Assignment)	Page 2 of 2	My Commission Expires:	