

PCT REQUESTOriginal (for **SUBMISSION**)

0	For receiving Office use only	
0-1	International Application No.	PCT/US17/16259
0-2	International Filing Date	02 FEBRUARY 2017 (02.02.17)
0-3	Name of receiving Office and "PCT International Application"	PCT INTERNATIONAL APPLICATION RO/US
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EFS-Web mode] Version 3.51.076.252 MT/FOP 20170101/0.20.5.24
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	84573436
I	Title of Invention	FUNCTIONAL ELEMENT POSE DETERMINATION
II	Applicant	
II-1	This person is	Applicant only
II-2	Applicant for	All designated States
II-4	Name	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
II-5	Address	11445 Compaq Center Drive W. Houston, Texas 77070 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	970-898-8789
II-9	Facsimile No.	970-778-4063
II-10	e-mail	ipa.mail@hp.com
II-10(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	exclusively in electronic form (no paper notifications will be sent)

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III-1	Applicant and/or inventor	
III-1-1	This person is	Inventor only
III-1-3	Inventor for	All designated States
III-1-4	Name (LAST, First)	ALLEN, Will
III-1-5	Address	1070 NE Circle Blvd. Corvallis, Oregon 97330-4239 United States of America
III-2	Applicant and/or inventor	
III-2-1	This person is	Inventor only
III-2-3	Inventor for	All designated States
III-2-4	Name (LAST, First)	O'SHEA, Terry
III-2-5	Address	1301 SE Tech Center Dr. Vancouver, Washington 98683 United States of America
III-3	Applicant and/or inventor	
III-3-1	This person is	Inventor only
III-3-3	Inventor for	All designated States
III-3-4	Name (LAST, First)	MURPHY, David
III-3-5	Address	1501 Page Mill Road Palo Alto, California 94304 United States of America
III-4	Applicant and/or inventor	
III-4-1	This person is	Inventor only
III-4-3	Inventor for	All designated States
III-4-4	Name (LAST, First)	GE, Ning
III-4-5	Address	1501 Page Mill Road Palo Alto, California 94304 United States of America

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	Agent
IV-1-1	Name (LAST, First)	BURROWS, Sarah
IV-1-2	Address	HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528 United States of America
IV-1-3	Telephone No.	970-898-8789
IV-1-4	Facsimile No.	970-778-4063
IV-1-5	e-mail	ipa.mail@hp.com
IV-1-5(a))	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	exclusively in electronic form (no paper notifications will be sent)
IV-1-6	Agent's registration No.	59,017
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	LUND, Scott (41,166); BILLIG, Patrick (38,080)
V	DESIGNATIONS	
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.	
VI-1	Priority Claim	NONE
VII-1	International Searching Authority Chosen	Federal Service for Intellectual Property (Rospatent) (Russian Federation) (ISA/RU)

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VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	1	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	1	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

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IX	Check list	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	7	✓
IX-2	Description	13	-
IX-3	Claims	4	-
IX-4	Abstract	1	✓
IX-5	Drawings	8	-
IX-7	TOTAL	33	
	Accompanying Items	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-19	Other	Appointment of Sub-Agent	
IX-19	Other	PCT-Transmittal	
IX-20	Figure of the drawings which should accompany the abstract	3	
IX-21	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	/Scott Lund Reg. No. 41,166/	
X-1-1	Name (LAST, First)	LUND, Scott	
X-1-3	Capacity (if such capacity is not obvious from reading the request)		

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10-1	Date of actual receipt of the purported international application	02 FEBRUARY 2017 (02.02.17)
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/RU
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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