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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Robert Matthew Craig	11/11/2009
Tommer Leyvand	11/16/2009
Craig Peeper	11/16/2009
Momin M. Al-Ghosien	11/11/2009
Matt Bronder	11/11/2009
Oliver Williams	11/10/2009
Ryan M. Geiss	11/10/2009
Jamie Daniel Joseph Shotton	11/10/2009
Johnny Lee	11/13/2009
Mark Finocchio	11/11/2009

RECEIVING PARTY DATA

Name:	Microsoft Corporation	
Street Address:	One Microsoft Way	
City:	Redmond	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12603437

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Assal Meftahi

PATENT

REEL: 028733 FRAME: 0789

Address Line 1: One Microsoft Way Address Line 2: Patent Group Docketing Dept Redmond, WASHINGTON 98052 Address Line 4: ATTORNEY DOCKET NUMBER: 328311.01 NAME OF SUBMITTER: Garyma Saksena Total Attachments: 16 source=328311.01_Executed_ Assignment.pdf#page1.tif source=328311.01_Executed_ Assignment.pdf#page2.tif source=328311.01_Executed_ Assignment.pdf#page3.tif source=328311.01_Executed_ Assignment.pdf#page4.tif source=328311.01_Executed_ Assignment.pdf#page5.tif source=328311.01_Executed_ Assignment.pdf#page6.tif source=328311.01_Executed_ Assignment.pdf#page7.tif source=328311.01_Executed_ Assignment.pdf#page8.tif source=328311.01 Executed Assignment.pdf#page9.tif source=328311.01_Executed_ Assignment.pdf#page10.tif source=328311.01_Executed_ Assignment.pdf#page11.tif source=328311.01_Executed_ Assignment.pdf#page12.tif source=328311.01_Executed_ Assignment.pdf#page13.tif source=328311.01_Executed_ Assignment.pdf#page14.tif source=328311.01_Executed_ Assignment.pdf#page15.tif source=328311.01_Executed_ Assignment.pdf#page16.tif

> PATENT REEL: 028733 FRAME: 0790

Ghosien, Matt Bronder, Oliver Williams, Ry Johnny Lee, and Mark Finocchio ("ASS ("INVENTION") disclosed and/or claimed TRACKING PIPELINE" ("APPLICATION"), which will be filed without this enereby authorizes, and requive the Law and Corporate Affa Microsoft Way, Redmond, Williams and Compose the Law and Corporate Affa Microsoft Way, Redmond, Williams and Filing date, when known; was filed on October 21, 20 12/603,437; is filed concurrently herewith Microsoft Corporation, a Washingto successors and assigns ("ASSIGNEE"), is enentire and exclusive rights, title and interest (and all other applications and patents applications, in and for the United States ("APPLICATION DERIVATIVES")); For good and valuable consideracknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive right the APPLICATION (and APPLICATION DERIVATIVE ASSIGNOR) agrees to execute all instanting and prosecution of the APPLICATION making and prosecution of the APPLICATION making and prosecution of the APPLICATION	vecuted PATENT ASSIGNMENT. ASSIGNOR uests, ASSIGNEE'S legal representatives, of irs Department, Microsoft Corporation, One Vashington 98052, who are associated with insert here in parenthesis (Application No. 1) this APPLICATION's Application No. 2) and was given Application No. 3) and was given Application No. 4) this APPLICATION of acquiring, the est in the INVENTION and the APPLICATION derived therefrom, such as continuing as, its territories, and all foreign countries ation, the receipt of which is hereby NOR hereby sells, assigns and transfers to its, title and interest in the INVENTION and ATIVES); truments and documents required for the TON (and APPLICATION DERIVATIVES), for herefrom, and for the purpose of protecting
Inventor's Signature	Date
Robert Matthew Craig	Printed Name in Native Language (if other than English)

Page 1 of 4

T.G	11/11/03
Inventor's Signature	Date 7117 71157
Tommer Leyvand	Printed Name in Native Language (if other than English)
Inventor's Signature	11/16/09 Date
Craig Peeper	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Momin M. Al-Ghosien	Printed Name in Native Language (if other than English)

Date

Printed Name in Native Language (if

other than English)

Inventor's Signature

Matt Bronder

Inventor's Signature	Date
Oliver Williams	Printed Name in Native Language (if other than English)
Inventor's Signature	 Date
Ryan M. Geiss	Printed Name in Native Language (if other than English)
Inventor's Signature	
Jamie Daniel Joseph Shotton	Printed Name in Native Language (if other than English)
Thyl	11/13/09
Inventor's Signature Johnny Lee	Date
Johnny Lee	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Mark Finocchio	Printed Name in Native Language (if

I/WE, Robert Matthew Craig, Tommer Leyvand, Craig Peeper, Momin M. Al-Ghosien, Matt Bronder, Oliver Williams, Ryan M. Geiss, Jamie Daniel Joseph Shotton,	
Johnny Lee, and Mark Finocchio ("ASSIGNOR"), have invented subject matter	
("INVENTION") disclosed and/or claimed in a patent application entitled "POSE TRACKING PIPELINE" ("APPLICATION"), which:	
(conner)	
will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR	
hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One	
Microsoft Way, Redmond, Washington 98052, who are associated with	
customer number 69316, to insert here in parenthesis (Application No.	
filed) this APPLICATION's Application No. and	
filing date, when known;	
was filed on October 21, 2009 and was given Application No.	
<u>12/603,437</u> ;	
is filed concurrently herewith;	
Microsoft Corporation, a Washington Corporation, on behalf of itself and its	
successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the	
entire and exclusive rights, title and interest in the INVENTION and the APPLICATION	
(and all other applications and patents derived therefrom, such as continuing	
applications, in and for the United States, its territories, and all foreign countries	
("APPLICATION DERIVATIVES"));	
For good and valuable consideration, the receipt of which is hereby	
acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to	
the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and	
the APPLICATION (and APPLICATION DERIVATIVES);	
ASSIGNOR agrees to execute all instruments and documents required for the	
making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for	
litigation regarding letters patent derived therefrom, and for the purpose of protecting	
and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).	
11/11/2009	
Inventor's Signature Date	

Page 1 of 4

Printed Name in Native Language (if

other than English)

Robert Matthew Craig

Printed Name in Native Language (if other than English) Date
other than English) Date
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Oliver Williams	Printed Name in Native Language (if other than English)
Fran M. Leis	11/10/2009
Inventor's Signature	Date
Ryan M. Gelss	
Ryan M. Geiss	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Jamie Daniel Joseph Shotton	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Johnny Lee	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Mark Finocchio	Printed Name in Native Language (if other than English)

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and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).	
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Page 1 of 4

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Matt Bronder	Printed Name in Native Language (if other than English)

Page 2 of 4

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Inventor's Signature	Date
Ryan M. Geiss	Printed Name in Native Language (if other than English)
Inventor's Signature	10/November/2009 Date
Jamie Daniel Joseph Shotton	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Jahńny Lee	Printed Name in Native Language (if other than English)

Inventor's Signature	11/11/2009 Date
Mark Finocchio	Printed Name in Native Language (if

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Page 4 of 4

RECORDED: 08/07/2012