

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2861668

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ASHLEY NATHAN FENIELLO	05/13/2014
STAN BIRCHFIELD	05/15/2014
HAO DANG	05/13/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Microsoft Corporation
<b>Street Address:</b>	One Microsoft Way
<b>City:</b>	Redmond
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14280187
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	ashley@cuttingedgepatents.com
<b>Correspondent Name:</b>	ASSAL MEFTAHI
<b>Address Line 1:</b>	ONE MICROSOFT WAY
<b>Address Line 2:</b>	PATENT GROUP DOCKETING DEPARTMENT
<b>Address Line 4:</b>	REDMOND, WASHINGTON 98052
<b>ATTORNEY DOCKET NUMBER:</b>	341368.01
<b>NAME OF SUBMITTER:</b>	RICHARD T. LYON
<b>SIGNATURE:</b>	/Richard T. Lyon/
<b>DATE SIGNED:</b>	05/19/2014
<b>Total Attachments: 8</b>	
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<b>PATENT</b>	

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I Ashley Nathan Feniello ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROGRAM SYNTHESIS FOR ROBOTIC TASKS" ("APPLICATION"), which:

will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on 05/16/2014 and given Application No. 14/280,187 by the following Office USPTO) this APPLICATION's Application No., filing date, and Office, when known;

was filed on \_\_\_\_\_ and was given Application No \_\_\_\_\_ by the following Office " \_\_\_\_\_ ";

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));


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Application No.	Filing Date	Office

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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, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

	<u>13 MAY 2014</u>
Inventor's Signature	Date
<u>Ashley Nathan Feniello</u>	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

MS Docket No.: 341368.01

I Stan Birchfield ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROGRAM SYNTHESIS FOR ROBOTIC TASKS" ("APPLICATION"), which:

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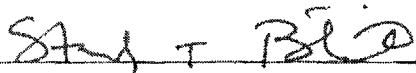

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 _____ Inventor's Signature	5/15/14 _____ Date
Stan Birchfield _____ Printed Name in English	 _____ Printed Name in Native Language (if other than English)

I Hao Dang ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROGRAM SYNTHESIS FOR ROBOTIC TASKS" ("APPLICATION"), which:

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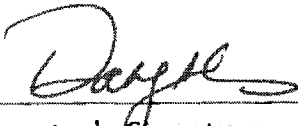
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	5.13.2014
Inventor's Signature	Date
Hao Dang	董皓
Printed Name in English	Printed Name in Native Language (if other than English)



I Sumit Gulwani ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PROGRAM SYNTHESIS FOR ROBOTIC TASKS" ("APPLICATION"), which:

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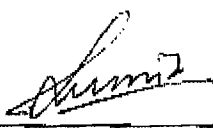
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	5/13/2014
Inventor's Signature	Date
Sumit Gulwani	सुमित गुलवानी
Printed Name in English	Printed Name in Native Language (if other than English)