PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2861668

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHLEY NATHAN FENIELLO	05/13/2014
STAN BIRCHFIELD	05/15/2014
HAO DANG	05/13/2014

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:	14280187			

CORRESPONDENCE DATA

Fax Number:

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.

Email: ashley@cuttingedgepatents.com

Correspondent Name: ASSAL MEFTAHI

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPARTMENT

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	341368.01
NAME OF SUBMITTER:	RICHARD T. LYON
SIGNATURE:	/Richard T. Lyon/
DATE SIGNED:	05/19/2014

Total Attachments: 8

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> PATENT REEL: 032926 FRAME: 0431

PATENT ASSIGNMENT

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 **No.** 14/280,187 by the following Office Application 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")); hereby authorizes. and **ASSIGNEE'S** ASSIGNOR requests, LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Application No. Filing Date Office

Page 1 of 2

PATENT REEL: 032926 FRAME: 0432

MS Docket No.: 341368.01

PATENT ASSIGNMENT	MS Docket No.:	341308.01

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).

Sallollo	13 MAY 2014
Inventor's Signature	and Date of the second of the American second of
Ashley Nathan Feniello	
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: 5

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	ASSI	GNEE	'S legal	representa	tives, of t	he Law an	d Corpoi	rate Affairs
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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

Page 1 of 2

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

PATENT ASSIGNMENT MS Docket No.: 341368.01

1 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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Application No.	Filing Date	Office
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Page 1 of 2

PATENT REEL: 032926 FRAME: 0436 PATENT ASSIGNMENT MS Docket No.: 341368.01

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Inventor's Signature Date

Hao Dang

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

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PATENT ASSIGNMENT

MS Docket No.: 341368.01

I Sur	nit Gulwa	ani ("ASSK	SNOR") arn	the orig	jinal inve	ntor or	an origina	al joint
inventor of	subject	matter ('INVENTION") disclo	sed and/	or clain	ned in a	patent
application	entitled	"PROGRAM	A SYNTHESIS	S FOR F	ROBOTIC	TASKS"	("APPLICA	TION"),
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Inventor's Signature

Sumit Gulwani

Printed Name in English

5/13/2014

Date

Printed Name in Native Language

(if other than English)

Page 2 of 2

RECORDED: 05/19/2014