### 502432440 07/24/2013

## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DANIEL C. WANG	03/13/2013
JUN WANG	03/13/2013
ISMET ERENSOY KAHRAMAN	03/13/2013
AARON EDWARDS SPINKS	03/13/2013
VIKRAM MADHAV DHANESHWAR	03/13/2013

### **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:	13826477

## **CORRESPONDENCE DATA**

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Address Line 4: Kansas City, MISSOURI 64108

ATTORNEY DOCKET NUMBER:	338152.01/MFCP.179004
NAME OF SUBMITTER:	George-Leonard N. Ngengwe
	PATENT

502432440 REEL: 030869 FRAME: 0606

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Signature:	/GEORGE-LEONARD N. NGENGWE/	
Date:	07/24/2013	
Total Attachments: 10 source=MFCP_179004_EXEC_ASSIGN#page1.tif source=MFCP_179004_EXEC_ASSIGN#page2.tif source=MFCP_179004_EXEC_ASSIGN#page3.tif source=MFCP_179004_EXEC_ASSIGN#page4.tif source=MFCP_179004_EXEC_ASSIGN#page5.tif		
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PATENT REEL: 030869 FRAME: 0607

I, <u>DANIEL C. WANG</u> ("A	SSIGNOR") am the origina	l inventor or an original joint
inventor of subject matter ("IN	VENTION") disclosed and/	or claimed in a nonprovisional
patent application entitled	"APPLICATION COMPA	TIBILITY CHECKING IN A
DISTRIBUTED COMPUTING E	NVIRONMENT" ("APPLICA	TION"), which:
ASSIGNEE'S legal Department, Mic Washington 9805 in parentheses (f 13/826,477  United States Patent and filing date, and Or  was filed o  Microsoft Corporation, successors and assigns ("ASSIG entire and exclusive rights, tit (and all other applications a applications, in and for the t ("APPLICATION DERIVATIVES"));	representatives, of the crosoft Corporation, One 2 (ASSIGNEE'S LEGAL REPriled on 2013-03-14 by the Trademark Office) this Affice, when known;  n and was by the following Office "_a Washington Corporation GNEE"), is entitled to, and le and interest in the INV and patents derived the United States, its territorical authorizes, and requality authorizes.	PPLICATION's Application No., given Application No "; n, on behalf of itself and its l is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing ies, and all foreign countries uests, ASSIGNEE'S LEGAL
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Page 1 of 2

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PATENT REEL: 030869 FRAME: 0608

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Tum way Inventor's Signature	3/3/20/3 Date
DANIEL C. WANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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		e Microsoft Way, Redmond,
		PRESENTATIVES), to insert here
in parentheses (f	filed on $2013-03-14$	and given Application No.
13/826,477	by the	following Office
United States Patent and	d Trademark Office) this A	PPLICATION's Application No.,
filing date, and O	ffice, when known;	
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was filed o	n and was	
	by the following Office "_	37
Microsoft Corporation,	a Washington Corporatio	n, on behalf of itself and its
successors and assigns ("ASSI	GNEE"), is entitled to, and	d is desirous of acquiring, the
		ENTION and the APPLICATION
		erefrom, such as continuing
		ies, and all foreign countries
("APPLICATION DERIVATIVES"));		
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Page 1 of 2

MS Docket No. 338152.01 (OC Docket No. MFCP.179004)

#### PATENT ASSIGNMENT

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

In long	3/13/2013
Inventor's Signature	Date
JUN WANG	
Printed Name in English	Printed Name in Native Language
	(if other than English)

original joint inventor of subje	ect matter ("INVENTION") lication entitled "APP	n the original inventor or an disclosed and/or claimed in a LICATION COMPATIBILITY ("APPLICATION"),
ASSIGNEE'S legal Department, Mic Washington 9805 in parentheses (f 13/826,477 United States Patent and filing date, and O	representatives, of the crosoft Corporation, One 2 (ASSIGNEE'S LEGAL REP illed on 2013-03-14  by the d Trademark Office) this A ffice, when known;	y authorizes, and requests, Law and Corporate Affairs e Microsoft Way, Redmond, RESENTATIVES), to insert here and given Application No., following Office PPLICATION's Application No.,
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 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"));  ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the		
following table for any APPLICA		
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Page 1 of 2

5491870 v1

PATENT REEL: 030869 FRAME: 0612

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Mu	03/13/2013
Inventor's Signature	Date
ISMET ERENSOY KAHRAMAN Printed Name in English	Printed Name in Native Language (if other than English)

I, <u>AARON EDWARD SPIN</u>	<u>KS</u> ("ASSIGNOR") am the c	original inventor or an original
joint inventor of subject m	atter ("INVENTION") disc	closed and/or claimed in a
nonprovisional patent app	lication entitled "APP	LICATION COMPATIBILITY
CHECKING IN A DISTRIBUT	TED COMPUTING ENVIR	RONMENT " ("APPLICATION"),
which:		
ASSIGNEE'S legal Department, Mic Washington 9805 in parentheses (I 13/826,477 United States Patent and filing date, and O  was filed o  Microsoft Corporation, successors and assigns ("ASSIG entire and exclusive rights, tit (and all other applications applications, in and for the I	representatives, of the crosoft Corporation, One 2 (ASSIGNEE'S LEGAL REPriled on 2013-03-14 by the 1 Trademark Office) this Affice, when known;  n and was by the following Office "_a Washington Corporation GNEE"), is entitled to, and le and interest in the INV and patents derived the United States, its territorical contents of the Inventorical contents and patents derived the United States, its territorical contents of the Inventorical contents and patents derived the United States, its territorical contents and contents are contents are contents and contents are contents.	PPLICATION's Application No., given Application No "; n, on behalf of itself and its is desirous of acquiring, the ENTION and the APPLICATION erefrom, such as continuing
("APPLICATION DERIVATIVES"));	•	
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Page 1 of 2

5491880 v1

MS Docket No. 338152.01 (OC Docket No. MFCP.179004)

### PATENT ASSIGNMENT

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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Drantes	3/13/2013	
Inventor's Signature	Date	
AARON EDWARD SPINKS		
Printed Name in English	Printed Name in Native Language	
	(if other than English)	

I, <u>VIKRAM MADHAV D</u> H	ANESHWAR ("ASSIGNOR")	am the original inventor or an	
		disclosed and/or claimed in a	
		LICATION COMPATIBILITY	
		RONMENT " ("APPLICATION"),	
which:			
		y authorizes, and requests,	
		Law and Corporate Affairs	
		e Microsoft Way, Redmond,	
Washington 9805	32 (ASSIGNEE'S LEGAL REP	PRESENTATIVES), to insert here	
		and given Application No.	
13/826,477	by the	following Office	
		PPLICATION's Application No.,	
filing date, and O	ffice, when known;		
was filed o	n and was	s diven Application No	
was filed on and was given Application No by the following Office " ";			
		n, on behalf of itself and its	
successors and assigns ("ASSI			
entire and exclusive rights, tit			
(and all other applications			
applications, in and for the I		ies, and all foreign countries	
("APPLICATION DERIVATIVES"));			
ASSIGNOR hereby	authorizes, and reg	uests, ASSIGNEE'S LEGAL	
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5491895 v1

MS Docket No. 338152.01 (OC Docket No. MFCP.179004)

### PATENT ASSIGNMENT

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 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).

VII Mane 8huan	3/13/2013	
Inventor's Signature	Date	
VIKRAM MADHAV		
DHANESHWAR		
Printed Name in English	Printed Name in Native Language	
<del>-</del>	(if other than English)	

RECORDED: 07/24/2013