502579488 11/22/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2625498

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANJIB SAHA	11/20/2013
FERNANDO GONZALEZ	11/20/2013
SHAUN HEDRICK	11/21/2013
PARMJEET SINGH	11/20/2013
ASHISH GADRE	11/20/2013
FRANK GORGENYI	11/19/2013
MARK INDERHEES	11/21/2013
JANET SCHNEIDER	11/20/2013
STUART HARPER	11/19/2013

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
Internal Address:	BUILDING 8	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052-6399	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14086810

CORRESPONDENCE DATA

502579488

Fax Number:(503)595-5301Phone:503-595-5300

Email: courtney.graham@klarquist.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: OGGIE BEREMSKI, KLARQUIST SPARKMAN LLP

Address Line 1: 121 S.W. SALMON STREET

PATENT

REEL: 031658 FRAME: 0013

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CH \$40,00

Address Line 2: SUITE 1600		
Address Line 4: PORTLANI	D, OREGON 97204	
ATTORNEY DOCKET NUMBER:	3382-91708-01	
NAME OF SUBMITTER:	OGNYAN I. BEREMSKI	
Signature:	/Ognyan I. Beremski/	
Date:	11/22/2013	
Total Attachments: 18 source=91708-01_Executed_Assignment#p	age2.tif age3.tif age4.tif age5.tif age6.tif age7.tif age8.tif age9.tif age10.tif age11.tif age12.tif age13.tif age15.tif age15.tif age17.tif	

PATENT REEL: 031658 FRAME: 0014

PATENT ASSIGNMENT

of subject matter ("INVENT	TON") disclosed and/or ABILITY AND RELIABILIT	inventor or an original joint claimed in a patent application Y OF HARDWARE GEO–FENCIN	on
legal repre Street, Suit customer r insert here No. <u>14/</u> 086 United Stat	sentatives, of Klarquist te 1600, Portland, OR 97 number 26119, (ASSIGN in parentheses (filed or 5,810 by the following Of	k Office) this APPLICATION's	on h) to
was filed o	n and was gi	ven Application No Patent and Trademark Office'	_ by ';
successors and assigns ("As entire and exclusive rights, (and all other applications a	SSIGNEE"), is entitled to, title and interest in the and patents derived ther United States, its territo	ation, on behalf of itself and and is desirous of acquiring, INVENTION and the APPLICAT efrom, such as continuing ries, and all foreign countries	the FION
ASSIGNOR hereby auto insert the Application No APPLICATION DERIVATIVES a	., filing date, and Office	ASSIGNEE'S LEGAL REPRESENT into the following table for a	ATIVES ny
Application No. Filing Date Office			

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).

Inventor's Signature

Sanjib Saha

Printed Name in English

Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of subje	ct matter ("INVE ed "IMPROVING	NTION") disclosed and/or	LITY OF HARDWARE GEO-
 	egal representat Street, Suite 160 customer numbe nsert here in pa No. <u>14/086,810</u> b United States Pat	tives, of Klarquist Sparkma O, Portland, OR 97204, wh er 26119, (ASSIGNEE'S LEG.	no are associated with AL REPRESENTATIVES) to 1/21, and given Application) this APPLICATION's
		and was given App Fice "United States Patent a	lication No by and Trademark Office";
successors and a entire and exclus (and all other app applications, in a ("APPLICATION D	ssigns ("ASSIGN sive rights, title plications and p and for the Unite (ERIVATIVES")); hereby authoria	and interest in the INVENT atents derived therefrom, ed States, its territories, an zes, and requests, ASSIGN ng date, and Office into th	desirous of acquiring, the TON and the APPLICATION such as continuing ad all foreign countries EE'S LEGAL REPRESENTATIVES
Application No.		Filing Date	Office

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);

Ferlio 6 Cal 4	Nov-20-2013
Inventor's Signature	Date
Fernando Gonzalez	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Shaun Hedrick ("ASSIGN inventor of subject matter ("INV application entitled "IMPROVING FENCING WITH FAILOVER SUPPO	S SCALABILITY AND RELIAB	r claimed in a patent ILITY OF HARDWARE GEO-
legal representa Street, Suite 16 customer numb insert here in po No. <u>14/086,810</u> United States Pa	atives, of Klarquist Sparkm 00, Portland, OR 97204, w er 26119, (ASSIGNEE'S LEC	ho are associated with GAL REPRESENTATIVES) to 11/21, and given Application e) this APPLICATION's
	and was given App	olication No by and Trademark Office";
Microsoft Corporation, a successors and assigns ("ASSIGN entire and exclusive rights, title (and all other applications and papplications, in and for the Unit ("APPLICATION DERIVATIVES"));	and interest in the INVENT patents derived therefrom,	desirous of acquiring, the FION and the APPLICATION such as continuing
ASSIGNOR hereby authors to insert the Application No., fill APPLICATION DERIVATIVES after	ing date, and Office into th	EE'S LEGAL REPRESENTATIVES ne following table for any
Application No. Filing Date Office		

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);

AM	21- Nov -2013
Inventor's Signature	Date
Shaun Hedrick	Shaun Hedrick
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Parmjeet Singh ("ASSIGN inventor of subject matter ("INVE application entitled "IMPROVING FENCING WITH FAILOVER SUPPORTIONS	ENTION") disclosed and / SCALABILITY AND RELIA	ABILITY OF HARDWARE GEO-	
legal representa Street, Suite 160 customer numbe insert here in pa No. <u>14/086,810</u> b United States Pa	tives, of Klarquist Spark 00, Portland, OR 97204, er 26119, (ASSIGNEE'S L rentheses (filed on <u>2013</u> by the following Office:	es, and requests, ASSIGNEE'S man, LLP, 121 SW Salmon who are associated with EGAL REPRESENTATIVES) to 8/11/21, and given Application ice) this APPLICATION's when known;	
		application No by not and Trademark Office";	
Microsoft Corporation, a value successors and assigns ("ASSIGN entire and exclusive rights, title (and all other applications and papplications, in and for the Unite ("APPLICATION DERIVATIVES"));	IEE"), is entitled to, and and interest in the INVE atents derived therefror	NTION and the APPLICATION m, such as continuing	
ASSIGNOR hereby authori to insert the Application No., fili APPLICATION DERIVATIVES after	ng date, and Office into	GNEE'S LEGAL REPRESENTATIVES the following table for any	
Application No. Filing Date Office			

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);

parmjut	11/20/2013
Inventor's Signature	Date
Parmjeet Singh	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT ASSIGNMENT

I, Ashish Gadre ("ASSIGNO inventor of subject matter ("INVE application entitled "IMPROVING FENCING WITH FAILOVER SUPPOR	NTION") disclosed and/or SCALABILITY AND RELIABI	claimed in a patent LITY OF HARDWARE GEO-
legal representat Street, Suite 160 customer numbe insert here in pa No. <u>14/086,810</u> b United States Pat	tives, of Klarquist Sparkma 0, Portland, OR 97204, wh er 26119, (ASSIGNEE'S LEG	no are associated with AL REPRESENTATIVES) to 1/21, and given Application) this APPLICATION's
was filed on and was given Application No by the following Office "United States Patent and Trademark Office";		
Microsoft Corporation, a V successors and assigns ("ASSIGN entire and exclusive rights, title a (and all other applications and papplications, in and for the Unite ("APPLICATION DERIVATIVES"));	EE"), is entitled to, and is on and is on and incerest in the INVENT atents derived therefrom,	desirous of acquiring, the TON and the APPLICATION such as continuing
ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S 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
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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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

. Sinsul	11 70-2512
Inventor's Signature	
Ashish Gadre	आरमिष गर्
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of subject matter ("INVI application entitled "IMPROVING FENCING WITH FAILOVER SUPPO will be filed. AS	SCALABILITY AND RELIABI RT" ("APPLICATION"), whicl SIGNOR hereby authorizes	claimed in a patent LITY OF HARDWARE GEO- h: , and requests, ASSIGNEE'S
Street, Suite 160 customer numb insert here in pa No. <u>14/086,810</u> k United States Pa	tives, of Klarquist Sparkma 00, Portland, OR 97204, wher 26119, (ASSIGNEE'S LEG arentheses (filed on <u>2013/12</u> by the following Office: tent and Trademark Office, where	no are associated with AL REPRESENTATIVES) to 1/21, and given Application this APPLICATION's
	and was given App	
successors and assigns ("ASSIGN entire and exclusive rights, title (and all other applications and papplications, in and for the Unit ("APPLICATION DERIVATIVES"));	and interest in the INVENT patents derived therefrom, ed States, its territories, ar izes, and requests, ASSIGN	desirous of acquiring, the TION and the APPLICATION such as continuing nd all foreign countries EE'S LEGAL REPRESENTATIVES
APPLICATION DERIVATIVES after		
Application No.	Filing Date	Office

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);

Jan	11/19/2013
Inventor's Signature	Date
Frank Gorgenyi	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT ASSIGNMENT

inventor of subject matter ("	INVENTION") disclosed ING SCALABILITY AND	RELIABILITY OF HARDWARE G	
legal repress Street, Suite customer nu insert here i No. <u>14/086,8</u> United State	entatives, of Klarquist S 1600, Portland, OR 97 umber 26119, (ASSIGNI n parentheses (filed or 10 by the following Off	k Office) this APPLICATION's	to
		ven Application No Patent and Trademark Office"	•
successors and assigns ("ASsentire and exclusive rights, to and all other applications at applications, in and for the U"APPLICATION DERIVATIVES" ASSIGNOR hereby aut	SIGNEE"), is entitled to, title and interest in the nd patents derived the United States, its territor")); horizes, and requests, , filing date, and Office	ration, on behalf of itself and the APPLICAT refrom, such as continuing pries, and all foreign countries and all foreign countries as ASSIGNEE'S LEGAL REPRESENT into the following table for a	the ΓΙΟΝ s
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 in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

Mark Inderhees	11/21/2013
Inventor's Signature	Date
Mark Inderhees	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

inventor of subject matter ("INVEN- application entitled "IMPROVING S FENCING WITH FAILOVER SUPPORT will be filed. ASSI- legal representation Street, Suite 1600 customer number insert here in pare No. 14/086,810 by United States Pate Application No. file was filed on the following Office Microsoft Corporation, a W successors and assigns ("ASSIGN) entire and exclusive rights, title a	I, Janet Schneider ("ASSIGNOR"), am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IMPROVING SCALABILITY AND RELIABILITY OF HARDWARE GEOFENCING WITH FAILOVER SUPPORT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Klarquist Sparkman, LLP, 121 SW Salmon Street, Suite 1600, Portland, OR 97204, who are associated with customer number 26119, (ASSIGNEE'S LEGAL REPRESENTATIVES) to insert here in parentheses (filed on 2013/11/21, and given Application No. 14/086,810 by the following Office: United States Patent and Trademark Office) this APPLICATION'S Application No. filing date, and Office, when known; was filed on and was given Application No by the following Office "United States Patent and Trademark 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		
("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 APPLICATION DERIVATIVES after they are known;			
Application No.	Filing Date	Office	

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);

	11-20-13
Inventor's Signature	Date
Janet Schneider Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT

I, Stuart Harper ("ASSIGN inventor of subject matter ("INV application entitled "IMPROVING FENCING WITH FAILOVER SUPPO	/ENTION") disclosed a G SCALABILITY AND F	and/or claimed in a pate RELIABILITY OF HARDWA	ent
legal represent Street, Suite 16 customer num insert here in p No. <u>14/086,810</u> United States F	atives, of Klarquist S 500, Portland, OR 972 per 26119, (ASSIGNE parentheses (filed on 1by the following Offi	c Office) this APPLICATIO	almon with IVES) to pplication
was filed on the following (and was giv Office "United States I	en Application No Patent and Trademark O	by ffice";
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications and applications, in and for the Un ("APPLICATION DERIVATIVES"))	GNEE"), is entitled to, e and interest in the patents derived ther ited States, its territo	INVENTION and the APPI efrom, such as continuir	ring, the LICATION ng
ASSIGNOR hereby authors to insert the Application No., f	iling date, and Office	ASSIGNEE'S LEGAL REPRE into the following table	
Application No.	Filing Date	Office	

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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).

Inventor's Signature Stuart Harper	11/19/13 Date
Printed Name in English	Printed Name in Native Language (if other than English)

Page 2 of 2