PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3135531

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAO XIA	11/16/2014
TODD F. PFLEIGER	12/05/2014
MARK C. BENVENUTO	11/20/2014
AJAY KALHAN	11/11/2014

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:	14537130

CORRESPONDENCE DATA

Fax Number: (801)328-1707

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.

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Email: cthompson@wnlaw.com

Correspondent Name: WORKMAN NYDEGGER/MICROSOFT

60 EAST SOUTH TEMPLE Address Line 1:

Address Line 2: **SUITE 1000**

Address Line 4: SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	13768.2001.1
NAME OF SUBMITTER:	THOMAS M. BONACCI
SIGNATURE:	/THOMAS M. BONACCI/
DATE SIGNED:	12/05/2014

Total Attachments: 8

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> **PATENT REEL: 034397 FRAME: 0758** 503088926

PATENT REEL: 034397 FRAME: 0759

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

I <u>Hao Xia</u> ("ASSIGNOR") a subject matter ("INVENTION") d " <u>PROACTIVE FAILURE HANDLING</u>	lisclosed and/or claimed i	
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No	ASSIGNOR hereby authorepresentative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), don by the following Officenark Office) this APPLICA ffice, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ice <u>US – United States</u>
	mber 10, 2014 and was g e following Office " <u>US – U</u> ";	• •
Microsoft Technology Liebehalf of itself and its succe desirous of acquiring, the enti- right of priority, in the INVENTI patents derived therefrom, suc- for the United States, its DERIVATIVES"));	ssors and assigns ("ASSI re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ons, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert t following table for any APPLICA	he Application No., filin	
Application No.	Filing Date	Office

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

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"));

JUHH	11/16/2014
Inventor's Signature	Date
Hao Xia	夏昊
Printed Name in English	Printed Name in Native Language
Frinced (Vaine in English	
	(if other than English)

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

inventor of subject matter ("INVENTION") disclosed	inventor or an original joins and/or claimed in a patens NG IN NETWORK NODES
ASSIGNEE'S legal LLC., One Mic (ASSIGNEE'S LEC parentheses (filed No	ASSIGNOR hereby auth representative, Microsoft rosoft Way, Redmond, GAL REPRESENTATIVES), don by the following Offimark Office) this APPLICATICE, when known;	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>US – United States</u>
	<u>mber 10, 2014</u> and was gi ie following Office " <u>US – Ui</u> 2";	
Microsoft Technology Liebehalf of itself and its succe desirous of acquiring, the entiright of priority, in the INVENTI patents derived therefrom, sucfor the United States, its DERIVATIVES"));	ssors and assigns ("ASSIG re and exclusive rights, ti ON and the APPLICATION h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
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MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

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"));

Wiffle-	12/5/2014
Inventor's Signature	Date
Todd F. Pfleiger	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

I Mark C. Benvenuto ("ASSIGNOR") am the original inventor or an original Joi	int
inventor of subject matter ("INVENTION") disclosed and/or claimed in a pate	nt
application entitled "PROACTIVE FAILURE HANDLING IN NETWORK NODE	<u>:s</u> "
("APPLICATION"), which:	

will be filed. ASSIGNOR hereby authorizes, and requests,
ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in
parentheses (filed on and given Application
No by the following Office <u>US - United States</u> <u>Patent and Trademark Office</u>) this APPLICATION's Application No.,
filing date, and Office, when known;

was filed on November 10, 2014 and was given Application No 14/537,130 by the following Office "US - United States Patent and Trademark Office)";

Microsoft Technology Licensing, LLC, a Washington limited liability company, 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"));

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	
Application ito:			

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

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"));

Mark C. Bernerut	11/20/2014
Inventor's Signature	Date
Mark C. Benvenuto	Printed Name in Native Language
Printed Name in English	(if other than English)

MS Docket No.: <u>332343.02</u> OC Number: <u>13768.2001.1</u>

I <u>Ajay Kalhan</u> ("ASSIGNOF of subject matter ("INVENTION entitled " <u>PROACTIVE FAILURE HA</u>	N") disclosed and/or claim	
ASSIGNEE'S legal LLC., One Mici (ASSIGNEE'S LEG parentheses (filed No. Patent and Trader	ASSIGNOR hereby authorepresentative, Microsoft rosoft Way, Redmond, AL REPRESENTATIVES), I on	Technology Licensing, Washington 98052 to insert here in and given Application ce <u>US – United States</u>
	mber 10, 2014 and was gi e following Office " <u>US – Ur</u> "	
Microsoft Technology Lice behalf of itself and its success desirous of acquiring, the entire right of priority, in the INVENTI patents derived therefrom, sucfor the United States, its to DERIVATIVES"));	ssors and assigns ("ASSIC re and exclusive rights, ti ON and the APPLICATION (h as continuing applicatio	tle and interest, including the (and all other applications and ns, in whole or in part, in and
ASSIGNOR hereby REPRESENTATIVES to insert the following table for any APPLICA		g date, and Office into the
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MS Docket No.: <u>332343.02</u> OC Number: 13768.2001.1

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"));

Kallung,	11/11/2014
Inventor's Signature	Date
Ajay Kalhan	AJAY KALHAN
Printed Name in English	Printed Name in Native Language (if other than English)