504059985 10/20/2016 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHISH KAPOOR	10/14/2016
AMAR PHANISHAYEE	09/13/2016
DEEPAK VASISHT	09/13/2016
MADHUSUDHAN GUMBALAPURA SUDARSHAN	09/13/2016
RANVEER CHANDRA	09/13/2016
SUDIPTA SINHA	09/13/2016
XINXIN JIN	10/19/2016

RECEIVING PARTY DATA

Name:	MICROSOFT TECHNOLOGY LICENSING, LLC.
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15256563

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.

Phone:	425-707-9382
Email:	usdocket@microsoft.com
Correspondent Name:	MICROSOFT CORPORATION
Address Line 1:	ONE MICROSOFT WAY
Address Line 4:	REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	360270.01
NAME OF SUBMITTER:	BRIAN T. RIVERS
SIGNATURE:	/Brian T. Rivers/
DATE SIGNED:	10/20/2016

Total Attachments: 14

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MS Docket No.: <u>360270.01</u>

I <u>Ashish Kapoor</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), 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 ______) this APPLICATION's Application No., filing date, and Office, when known;

was filed on <u>September 3, 2016</u> and was given Application
 No <u>15/256,563</u> by the following Office
 <u>USPTO</u>;

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

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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"));

Barger, Comt	Oct 14, 2016
Inventor's Signature	Date
Ashish Kapoor	
Printed Name in English	Printed Name in Native Language (if other than English)

I <u>Amar Phanishavee</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), 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 ______) this APPLICATION'S Application No., filing date, and Office, when known;

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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).

Aucril	SEPĨ 13, 2016
Inventor's Signature	Date
Amar Phanishavee	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2

PATENT ASSIGNMENT MS Docket No.: 360270.01

I Deepak Vasisht ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), 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 ______) this APPLICATION's Application No., filing date, and Office, when known:

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Application No.	Filing Date	Office

PATENT REEL: 040078 FRAME: 0973

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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"));

D-4-C	September 13,2016
Inventor's Signature	Date
Deepak Vasisht	
Deepak Vasisht Printed Name in English	Printed Name in Native Language

I <u>Madhusudhan Gumbalapura Sudarshan</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), which:

will be filed. ASSIGNOR hereby authorizes, and requests,
 ASSIGNEE'S legal representative, Microsoft Technology Licensing,
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Was filed on <u>September 3, 2016</u> and was given Application No <u>15/256,563</u> by the following Office "_____USPTO____";

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SEPT-13-2016 Madhurudhan. G.S Inventor's Signature Date Madhusudhan Gumbalapura ಮಹುಸೂವನೆ. ಜಿ. ಎಸ್ Sudarshan Printed Name in English Printed Name in Native Language (if other than English)

MS Docket No.: <u>360270.01</u>

I <u>Ranveer Chandra</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), 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 ______) this
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Raweer Chom Inventor's Signature	13 th September 2016 Date
Ranveer Chandra Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Sudipta Sinha</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), which:

will be filed. ASSIGNOR hereby authorizes, and requests,
 ASSIGNEE'S legal representative, Microsoft Technology Licensing,
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Application No.	Filing Date	Office

Page 1 of 2

PATENT REEL: 040078 FRAME: 0979

MS Docket No.: 360270.01

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09/13/2016 Inventor's Signature Sudipta Sinha Printed Name in English Printed Name in Native Language (if other than English)

I <u>Xinxin Jin</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IOT GATEWAY FOR WEAKLY CONNECTED SETTINGS"), 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 ______) this APPLICATION's Application No., filing date, and Office, when known;
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Application No.	Filing Date	Office

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Zan	10/19/2016
Inventor's Signature	Date
Xinxin Jin	
Printed Name in English	Printed Name in Native Language
	(if other than English)

Page 2 of 2