504161332 01/03/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4208008

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STÉPHANE MORICHÈRE-MATTE	06/02/2016
MICHAEL ANTHONY NAVARRO	06/29/2016
OM KRISHNA	06/07/2016
MICHAEL ANDREW GRISCOM	06/07/2016
VIDYARAMAN SANKARANARAYANAN	12/02/2016
ROOPESH KUMAR RAJAMANI	05/31/2016
DARRON J. STEPANICH	12/08/2016
PETER JOHN DAOUD	05/31/2016
ALVIN JI-FUNG LAO	06/01/2016
GREGORY IANNACONE	05/31/2016
RONALD NIKOLAI BARTLETT SAVAS	05/31/2016
GRACE LAM	06/06/2016
SUMANTH PASUPULETI	06/14/2016

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:	15190363

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.comCorrespondent Name:MICROSOFT CORPORATIONAddress Line 1:ONE MICROSOFT WAY

504161332 REEL: 041233 FRAME: 0824

PATENT

Address Line 4: REDMOND, WASHINGTON 98052		
ATTORNEY DOCKET NUMBER:	358970.01	
NAME OF SUBMITTER:	STEPHEN S. ROCHE	
SIGNATURE:	/Stephen S. Roche/	
DATE SIGNED:	01/03/2017	

Total Attachments: 26

source=358970-01-Assignments#page1.tif source=358970-01-Assignments#page2.tif source=358970-01-Assignments#page3.tif source=358970-01-Assignments#page4.tif source=358970-01-Assignments#page5.tif source=358970-01-Assignments#page6.tif source=358970-01-Assignments#page7.tif source=358970-01-Assignments#page8.tif source=358970-01-Assignments#page9.tif source=358970-01-Assignments#page10.tif source=358970-01-Assignments#page11.tif source=358970-01-Assignments#page12.tif source=358970-01-Assignments#page13.tif source=358970-01-Assignments#page14.tif source=358970-01-Assignments#page15.tif source=358970-01-Assignments#page16.tif source=358970-01-Assignments#page17.tif source=358970-01-Assignments#page18.tif source=358970-01-Assignments#page19.tif source=358970-01-Assignments#page20.tif source=358970-01-Assignments#page21.tif source=358970-01-Assignments#page22.tif source=358970-01-Assignments#page23.tif source=358970-01-Assignments#page24.tif source=358970-01-Assignments#page25.tif source=358970-01-Assignments#page26.tif

> PATENT REEL: 041233 FRAME: 0825

PATENT ASSIGNMENT MS Docket No.: 358970.01

l <u>Stép</u>	<u>hane Morichère-Ma</u>	tte ("ASSIGNOR") am the o	riginal inventor or an original
joint invento	or of subject matte	r ("INVENTION") disclosed	and/or claimed in a patent
application e	entitled " <u>PRODUCTI</u> "	<u>VITY APPLICATIONS WITH</u>	VIEWS OF SOCIAL NETWORK
<u>GROUP FEAT</u>	<u>URES</u> " ("APPLICATIO	N"), which:	
	will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	ASSIGNEE'S legal i	representative, Microsoft	Technology Licensing,
	LLC., One Microsof	t Way, Redmond, Washing	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
	the following Office	e <u>US – United States Patent</u>	and Trademark Office)
	this APPLICATION'	s Application No., filing o	late, and Office, when
	known;		
	was filed on	and was given A	\pplication
	No	by the following Office	
	:	20 .	
Micro	soft Technology Lic	ensing, LLC, a Washington	limited liability company, on
behalf of itse	elf and its successor	s and assigns ("ASSIGNEE")	, is entitled to, and is desirous
of acquiring	, the entire and ex	clusive rights, title and in	terest, including the right of
priority, in th	ne INVENTION and t	he APPLICATION (and all o	ther applications and patents
derived there	efrom, such as conf	tinuing applications, in wh	nole or in part, in and for the
United State:	s, its territories, and	l all foreign countries ("API	PLICATION DERIVATIVES"));
ASSIG	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	e Application No., f	iling date, and Office into	o the following table for any
APPLICATION	N DERIVATIVES after	they are known;	<u>,</u>
Application	No.	Filing Date	Office
			
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Page 1 of 2

PATENT	ASSIGNM	ENT	MS	Docket No.:	<u>358970.01</u>

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).

s Signature Stéphane Morichère-Matte Printed Name in English Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 358970.01

I <u>Mic</u> h	ael Anthony Navari	<u>(o</u> ("ASSIGNOR") am the or	iginal inventor or an original
joint invento	r of subject matte	r ("INVENTION") disclosed	and/or claimed in a patent
application e	entitled *PRODUCTI	VITY APPLICATIONS WITH	VIEWS OF SOCIAL NETWORK
• •	<u>URES" ("APPLICATIO</u>		
		, , , , , , , , , , , , , , , , , , ,	
	ASSIGNEE'S legal is LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here and given Application by US – United States Patents Application No., filing o	Technology Licensing, ton 98052 (ASSICNEE'S in parentheses (filed Noby and Trademark Office)
	known;	, ,	·
	was filed on	and was given A	application
	No	by the following Office	
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behalf of itse of acquiring, priority, in the derived there	If and its successor: the entire and ex- se INVENTION and t efrom, such as conf	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh	limited liability company, on, is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES");
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ASSIGI	NOR hereby authori	zes, and requests, ASSIGN	EE'S LEGAL REPRESENTATIVES
to insert the	Application No., f	iling date, and Office into	the following table for any
APPLICATION	DERIVATIVES after	they are known;	
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Page 1 of 2

PATENT A	SSIGNMENT	MS Docket No.:	<u>358970.01</u>
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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"));

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).

Wild Un	6/29/16
Inventor's Signature	Date
Michael Anthony Navarro	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 358970.01

of subject ma	atter ("INVENTION") (ITY_APPLICATIONS	disclosed and/or claimed i	r or an original joint inventor n a patent application entitled NETWORK GROUP FEATURES"
	ASSIGNEE'S legal r LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft to Way, Redmond, Washingth ATIVES), to insert here and given Application to US – United States Patent of Application to Application to Application to Application to Application No., filing of Application No., filing Option No., filing Option No., filing Option No., filing Option No., filing No.	Technology Licensing, ton 98052 (ASSIGNEE'S in parentheses (filed Noby and Trademark Office)
	was filed on	and was given A	application
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behalf of itse of acquiring priority, in the derived there United States	olf and its successors, the entire and exi the entire and exi ne INVENTION and the efrom, such as cont s, its territories, and	s and assigns ("ASSIGNEE"), clusive rights, title and in he APPLICATION (and all o inuing applications, in wh all foreign countries ("API	limited liability company, on is entitled to, and is desirous terest, including the right of ther applications and patents tole or in part, in and for the PLICATION DERIVATIVES"));
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Application	No.	Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.:	358970.01
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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).

On Krishnis	617/2016
Inventor's Signature	Date
Om Krishna	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Michael Andrew Griscom ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES" ("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 Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when known: was filed on _____ and was given Application No _____ by the following 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

Page 1 of 2

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Inventor's Signature

Date

Michael Andrew Griscom

Printed Name in English

Printed Name in Native Language (if other than English)

original join patent appli	t inventor of subjection cation entitled "P	ct matter ("INVENTION")	im the original inventor or an disclosed and/or claimed in a IONS WITH VIEWS OF SOCIAL
	ASSIGNEE'S legal LLC., One Microso LEGAL REPRESENT on the following Office	representative, Microso oft Way, Redmond, Washi TATIVES), to insert her and given Application te <u>US – United States Pate</u>	thorizes, and requests, ft Technology Licensing, agton 98052 (ASSIGNEE'S re in parentheses (filed on No by ant and Trademark Office) and date, and Office, when
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behalf of itse of acquiring priority, in th derived there United States	If and its successor , the entire and ex ne INVENTION and efrom, such as cor s, its territories, an	rs and assigns ("ASSIGNEI (clusive rights, title and the APPLICATION (and al ntinuing applications, in d all foreign countries ("A	on limited liability company, on E"), is entitled to, and is desirous interest, including the right of lother applications and patents whole or in part, in and for the APPLICATION DERIVATIVES"));
to insert the		filing date, and Office i	nto the following table for any
Application		Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT	MS Docket No.:	<u>358970.01</u>

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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).

S.VI dyasawan 12/2/2016
Inventor's Signature Date

Vidyaraman Sankaranarayanan

Printed Name in English

Printed Name in Native Language (if other than English)

MS Docket No.: 358970.01

I <u>Roopesh Kumar Rajamani</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES" ("APPLICATION"), which:

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

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Application No.		Office	

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Work-	31ª May 2016
Inventor's Signature	Date
Roopesh Kumar Rajamani	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 358970.01

I <u>Darron I. Stepanich</u> ("ASSIGNOR") am the original inventor or an original joint
nventor of subject matter ("INVENTION") disclosed and/or claimed in a patent
application entitled " <u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK</u>
GROUP FEATURES" ("APPLICATION"), which:
will be filed. ASSIGNOR hereby authorizes, and requests,
ASSIGNEE'S legal representative, Microsoft Technology Licensing,
LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEF'S

LEGAL REPRESENTATIVES), to insert here in parentheses (filed on ______ and given Application No. _____ by the following Office <u>US - United States Patent and Trademark Office</u>) this APPLICATION's Application No., filing date, and Office, when

known;	
was filed on	and was given Application
No	by the following Office
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Application No.	Filing Date	Office
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Page 1 of 2

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DATENIT ACCIONIMENIT

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).

	12/8/16
Inventor's Signature	Date
Darron J. Stepanich	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>358970.01</u>

I <u>Peter John Daoud</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

X	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 Patent and Trademark Office</u>)
	this APPLICATION's Application No., filing date, and Office, when
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]	was filed on and was given Application
	No by the following Office

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Application No.	Filing Date	Office	

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Page 1 of 2

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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"));

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***************************************	Inventor's Signature	5/3)/2016 Date
	Peter John Daoud	
	Printed Name in English	Printed Name in Native Language
ļ		(if other than English)

I <u>Alvin Ji-Fung Lao</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

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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"));

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Application No.	Filing Date	Office

Page 1 of 2

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Inventor's Signature	June 1/2016
Alvin Ji-Fung Lao	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I <u>Gregory lannacone</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

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Application No.	Filing Date	Office

Page 1 of 2

PATENT A	ASSIGNMENT	MS Docket No.:	358970.01

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"));

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Inventor's Signature	May 31, 2016 Date
Gregory lannacone Printed Name in English	 Printed Name in Native Language
	(if other than English)

MS Docket No.: <u>358970.01</u>

I <u>Ronald Nikolai Bartlett Savas</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

\boxtimes	will be filed. ASSIGNOR hereby authorizes, and requests,
	ASSIGNEE'S legal representative, Microsoft Technology Licensing,
	LLC., One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S
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	on and given Application No by
	the following Office <u>US - United States Patent and Trademark Office</u>)
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Inventor's Signature	May 31,2016  Date
Ronald Nikolai Bartlett Savas	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: 358970.01

I <u>Grace Lam</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

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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;

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Application No.	Filing Date	Office	
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PATENT	ASSIGNMENT	MS Docket No.:	<u>358970.01</u>
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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	June 6th 2016 Date
Grace Lam Printed Name in English	Printed Name in Native Language
, in the second	(if other than English)

I <u>Sumanth Pasupuleti</u> ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>PRODUCTIVITY APPLICATIONS WITH VIEWS OF SOCIAL NETWORK GROUP FEATURES</u>" ("APPLICATION"), which:

$\boxtimes$	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 Patent and Trademark Office</u> )
	this APPLICATION's Application No., filing date, and Office, when
	known;
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	was filed on and was given Application
	No by the following Office
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PATENT ASSIGNMENT	MS Docket	No.:	<u>358970.01</u>
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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).

P Sumant	6-14-2016
Inventor's Signature	Date
Sumanth Pasupuleti	***************************************
Printed Name in English	Printed Name in Native Language
	(if other than English)

RECORDED: 01/03/2017