PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAFAEL LOPEZ-URICOECHEA	06/27/2016
GAURAV DOSHI	06/29/2016
SARAT C. SUBRAMANIAM	06/28/2016

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:	15197068

CORRESPONDENCE DATA

Fax Number: (952)373-8920

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: sgreenfield@khcip.com

MICROSOFT CORPORATION **Correspondent Name:**

Address Line 1: ONE MICROSOFT WAY

Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: **REDMOND, WASHINGTON 98052**

ATTORNEY DOCKET NUMBER:	359891.02
NAME OF SUBMITTER:	SUSAN GREENFIELD
SIGNATURE:	/Susan Greenfield/
DATE SIGNED:	06/29/2016

Total Attachments: 6

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> **PATENT** REEL: 039044 FRAME: 0941 503895196

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> PATENT REEL: 039044 FRAME: 0942

PATENT ASSIGNMENT MS Docket No.: 359891.02

joint invento	or of subject matte entitled " <u>GROUP-I</u>	r ("INVENTION") disclosed	riginal inventor or an origina d and/or claimed in a paten NG OF ELECTRONIC DATA
	ASSIGNEE'S legal LLC., One Microsof LEGAL REPRESENT on the following Office	ASSIGNOR hereby authorepresentative, Microsoft ft Way, Redmond, Washing ATIVES), to insert here and given Application e US – United States Patents Application No., filing of	Technology Licensing, iton 98052 (ASSIGNEE'S in parentheses (filed No by and Trademark Office)
	was filed on No	and was given A by the following Office ";	Application
behalf of itse of acquiring, priority, in th derived there United States ASSIGI to insert the	If and its successors the entire and exceeding the invention and the invention and the invention and the invention and its territories, and the invention and its territories.	s and assigns ("ASSIGNEE") clusive rights, title and in he APPLICATION (and all o tinuing applications, in wh all foreign countries ("API zes, and requests, ASSIGN iling date, and Office into	limited liability company, on, is entitled to, and is desirous terest, including the right of other applications and patents nole or in part, in and for the PLICATION DERIVATIVES")); EE'S LEGAL REPRESENTATIVES the following table for any
Application	Andrew Control	Filing Date	Office
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PATENT A	SSIGNMENT	MS Docket No.:	359891.02
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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).

Rappy Lapse-vicocran	06/27/16
Inventor's Signature	Date
Rafael Lopez-Uricoechea	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT

MS Docket No.: <u>359891.02</u>

I <u>Gaurav Doshi</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>GROUP-BASED EXTERNAL SHARING OF ELECTRONIC DATA</u>" ("APPLICATION"), which:

will	be	filed.	ASSIGNOR	hereby	authoriz	es, and	requests,
ASSIG	NEE	'S legal	representat	ive, Micr	osoft Tec	hnology	Licensing,
LLC.,	One	Micros	oft Way, Redr	nond, Wa	ashington	98052 (/	ASSIGNEE'S
LEGAL	_ RI	EPRESEN	ITATIVES), to	o insert	here in	parenth	eses (filed
on			and giv	en Appli	cation No.		by
this A	PPL	ICATION	l's Application	on No., f	iling date	, and Of	fice, when
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	ASSIC LLC., LEGAI on the fo this A known	ASSIGNEE LLC., One LEGAL R on the follow this APPL known; was filed No	ASSIGNEE'S legal LLC., One Microso LEGAL REPRESEN on the following Offi this APPLICATION known; was filed on No	ASSIGNEE'S legal representat LLC., One Microsoft Way, Redr LEGAL REPRESENTATIVES), to on and giv the following Office US - Unite this APPLICATION's Application known; was filed on a No by the form	ASSIGNEE'S legal representative, Micr LLC., One Microsoft Way, Redmond, Water LEGAL REPRESENTATIVES), to insert on and given Applithe following Office US - United States this APPLICATION's Application No., f known; was filed on and was g No by the following of the following o	ASSIGNEE'S legal representative, Microsoft TecLLC., One Microsoft Way, Redmond, Washington LEGAL REPRESENTATIVES), to insert here in on and given Application No. the following Office US - United States Patent and this APPLICATION's Application No., filing date known; was filed on and was given Appl No by the following Office	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	
	riiiig Date	Office	

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PATENT ASSIGNMENT

MS Docket No.: 359891.02

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).

Inventor's Signature

Date

Gaurav Doshi

Printed Name in English

गारन दारा

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 359891.02 I Sarat C. Subramaniam ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "GROUP-BASED EXTERNAL SHARING OF ELECTRONIC DATA" ("APPLICATION"), which: $oxed{\boxtimes}$ 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 US - 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 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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Sourand.	06/28/2016
Inventor's Signature	Date
Sarat C. Subramaniam	
Printed Name in English	Printed Name in Native Language
	(if other than English)