PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4083463

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOYI ZHANG	10/01/2016
HARISH SRIPAD KULKARNI	10/05/2016
MEREDITH MORRIS	10/03/2016

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:	15284124

CORRESPONDENCE DATA

Fax Number: (202)318-2583

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: 202-842-8800

Email: usdocket@microsoft.com

DRINKER BIDDLE & REATH/MICROSOFT **Correspondent Name:**

Address Line 1: 1500 K STREET, N.W.

Address Line 2: **SUITE 1100**

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	400076-US-NP	
NAME OF SUBMITTER:	CORY M. VALLEY	
SIGNATURE:	/Cory M. Valley/	
DATE SIGNED:	10/05/2016	

Total Attachments: 6

source=400076_US_NP_assignment#page1.tif source=400076_US_NP_assignment#page2.tif source=400076 US NP assignment#page3.tif

> **PATENT** REEL: 039943 FRAME: 0344 504036801

source=400076_US_NP_assignment#page4.tif source=400076_US_NP_assignment#page5.tif source=400076_US_NP_assignment#page6.tif

> PATENT REEL: 039943 FRAME: 0345

	PATENT AS	SIGNMENT	MS Docket No.:	400076-US-NP
1 Xiao	oyi ZHANG		("ASSIGNOR")	am the original
inventor or	an original joint inve	entor of subject ma	atter ("INVENTION")	disclosed and/or
claimed in a which:	patent application er	ntitled "AUTOMATED	E-TRAN APPLICATION"	("APPLICATION"),
	will be filed. ASSIG legal representative Microsoft Way, Recrete REPRESENTATIVES), on the following Office this APPLICATION's	e, Microsoft Techi dmond, Washingtoi to insert her and given Appli US United States	nology Licensing, n 98052 (ASSIGNE re in parenthes ication No. Patent and Tradem	LLC, One E'S LEGAL es (filed by eark Office)
(known;			nce, when
	was filed on			
	No	by the following Of	ffice	

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;

Filing Date	Office	
October 3, 2016	USPTO	
	The second secon	e errorenson
	October 3, 2016	October 3, 2016 USPTO

Page 1 of 2

MS Docket No.: 400076-US-NP

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

Xiaoyi ZHANG

Printed Name in English

Printed Name in Native Language

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 400076-US-NP

FAILINI	ASSIGNMENT	MIS DOCKET NO 4000/0-05-NI
I <u>Harish Sripad KULKA</u> F	RNI	("ASSIGNOR") am the
original inventor or an origin	al joint inventor of subjec	ct matter ("INVENTION") disclosed
and/or claimed in a paten	t application entitled "A	AUTOMATED E-TRAN APPLICATION"
("APPLICATION"), which:		
,		
will be filed AS	SIGNOR hereby authorizes	, and requests, ASSIGNEE'S
	,	•
•		ogy Licensing, LLC, One
		98052 (ASSIGNEE'S LEGAL
REPRESENTATIVE:		in parentheses (filed
	and given Applicat	
-		tent and Trademark Office)
this APPLICATIO	N's Application No., filin	g date, and Office, when
known;		
oxtimes was filed on <u>Octo</u>	ber 3, 2016 and was given	Application
No 15/284,124	by the following Offic	ce "US – <u>United States</u>
Patent and Trade	mark Office";	
	,	
Microsoft Technology I	icensing. LLC. a Washing	ton limited liability company, on
<u> </u>	-	EE"), is entitled to, and is desirous
	-	d interest, including the right of
. •	•	all other applications and patents
•		whole or in part, in and for the
United States, its territories, ar	- · · ·	
officed States, its territories, ar	id all foreign countries (Al	TEICATION DERIVATIVES //,
ASSICNOR horoby author	vizas and requests ASSIC	CNIEE'S LECAL DEDDESENITATIVES to
•	•	SNEE'S LEGAL REPRESENTATIVES to
	<u> </u>	nto the following table for any
APPLICATION DERIVATIVES after		
Application No.	Filing Date	Office

Page 1 of 2

PATENT ASSIGNMENT

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).

X ON SIN	
	10/5/2016
Inventor's Signature	Date
Harish Sripad KULKARNI	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 400076-US-NP

PATENT ASSIGNMENT

th MORRIS ("ASSIGNOR") am the origin	nal
original joint inventor of subject matter ("INVENTION") disclosed and,	/or
atent application entitled "AUTOMATED E-TRAN APPLICATION" ("APPLICATION	1"),
vill be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S	
egal representative, Microsoft Technology Licensing, LLC, One	
licrosoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL	
EPRESENTATIVES), to insert here in parentheses (filed	
n and given Application No by	
ne following Office <u>US - United States Patent and Trademark Office</u>)	
nis APPLICATION's Application No., filing date, and Office, when	
nown;	
as filed on and was given Application	
o by the following Office	
".	
	original joint inventor of subject matter ("INVENTION") disclosed and atent application entitled "AUTOMATED E-TRAN APPLICATION" ("APPLICATION") disclosed and atent application entitled "AUTOMATED E-TRAN APPLICATION" ("APPLICATION") disclosed and atent application in the control of the contr

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	
15/284,124	October 3, 2016	USPTO	
		·	

Page 1 of 2

MS Docket No.: 400076-US-NP

MS Docket No.: 400076-US-NP

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).

	70/3/16
Inventor's Signature	Date
Meredith MORRIS	
Printed Name in English	Printed Name in Native Language
	(if other than English)