504096675 11/15/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4143344

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL EDWARDS	11/10/2016

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:	15351928

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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: usdocket@microsoft.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

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Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303

ATTORNEY DOCKET NUMBER:	98052-20/400456-US-NP
NAME OF SUBMITTER:	HOLLY NOWICKI
SIGNATURE:	/Holly Nowicki/
DATE SIGNED:	11/15/2016

Total Attachments: 2

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PATENT 504096675 REEL: 040328 FRAME: 0001

MS Docket No.: 400456-US-NP (361225.01)

PATENT ASSIGNMENT

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inventor	of	subject	t matte	er ("IN\	/ENTION"	') disc	losed	and/or	claimed	în	a pai	tent
applicat	ion e	ntitled	"SYSTE	MS AND	METHO	DS FOI	R MAN	AGING (CREDENT	<u> IALS</u>	USED	TO
AUTHEN	TICA	TE ACC	ESS IN	DATA P	ROCESSIN	NG SYS	TEMS"	("APPLIC	ATION")	, whic	:h:	

\boxtimes	will be filed.	ASSIGNOR	hereby	autho	rizes,	and	requ	iests,
	ASSIGNEE'S legal	representat	ive, Micr	osoft '	Techno	ology	Licen	sing,
	LLC, One Microsof	t Way, Redr	nond, Wa	shingt	on 980)52 (A	SSIGI	NEE'S
	LEGAL REPRESENT	TATIVES), to	o insert	here	in par	renthe	ses	(filed
	on		and	Ģ	given	A	pplic	ation
	No	······	by		the		follo	wing
	Office		••••)	this	APPL	ICATI	ION's
	Application No., fi	ling date, ai	nd Office	, when	know	١;		
	was filed on	`	ınd was ç	jiven A	pplicat	tion		
	No	by the fo	ollowing	Office				
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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;

Application No.	Filing Date	Office	
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MS Docket No.: 400456-US-NP (361225.01)

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).

LALL	11/10/16
Inventor's Signature	Date
Daniel Edwards	
Printed Name in English	Printed Name in Native Language
	(if other than English)

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RECORDED: 11/15/2016 REEL: 040328 FRAME: 0003