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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4775135

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOMENIC J. CIPOLLONE	01/11/2018
MICHAEL WILSON DANIELS	01/10/2018
THERESA A. ESTRADA	01/10/2018
KYLAN NIEH	01/10/2018
TEV'N J. POWERS	01/11/2018

RECEIVING PARTY DATA

Name:	me: 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:	15870432				

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	403254-US-NP
NAME OF SUBMITTER:	NATHAN D. ELLEFSON
SIGNATURE:	/Nathan D. Ellefson/
DATE SIGNED:	01/12/2018

Total Attachments: 10

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PATENT REEL: 044613 FRAME: 0184

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PATENT REEL: 044613 FRAME: 0185

MS Docket No.: 403254-US-NP

			il inventor or an original join:
inventor of	subject matter ("	INVENTION") disclosed a	nd/or claimed in a patent
application 6	entitled " <u>ELECTRONI</u>	<u>C DOCUMENT CONTENT E</u>	<u>XTRACTION AND DOCUMENT</u>
TYPE DETER!	<u>MINATION</u> ", which:	•	
\boxtimes	will be filed.	ASSIGNOR hereby autho	orizes, and requests,
	ASSIGNEE'S legal i	representative, Microsoft	Technology Licensing,
	LLC, One Microsoft	t Way, Redmond, Washingt	ton 98052 (ASSIGNEE'S
	LEGAL REPRESENT	ATIVES), to insert here	in parentheses (filed
	on	and given Application	Noby
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		olication No., filing date, ar	
	was filed on	and was given Applica	ation No. hv the
in the second		Patent Office ";	ay are
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Micro	soft Technology Lice	ensina. I I C., a Washinaton	limited liability company, on
	***		is entitled to, and is desirous
			terest, including the right of
		-	ther applications and patents
			ole or in part, in and for the
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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).

Inventor's Signature

Da

Domenic J. Cipollone

Printed Name in English

Printed Name in Native Language

(if other than English)

I Michael Wilson Daniels ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ELECTRONIC DOCUMENT CONTENT EXTRACTION AND DOCUMENT TYPE DETERMINATION", 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 this
	APPLICATION's Application No., filing date, and Office, when known
	was filed on and was given Application No by the
	following Office "Patent 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		

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"));

Muh Muh SID	1/10/18
Inventor's Signature	Date
Michael Wilson Daniels	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Theresa A. Estrada ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "ELECTRONIC DOCUMENT CONTENT EXTRACTION AND DOCUMENT TYPE DETERMINATION", which:

\times	will	be	filed.	ASSI	GNOR	here	by a	autho	rizes,	and	requ	iests,
	ASSI	GNE	E'S lega	ıl repre	esenta	tive, N	1icro	soft	Techn	ology	Licen	sing,
	LLC,	One	Micros	oft Way	y, Redi	mond,	Was	hingt	on 98	3052 (A	ASSIGI	NEE'S
	LEGA	AL R	EPRESE	NTATIV	/ES), t	o ins	ert ł	nere	in pa	arenth	eses	(filed
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	the	foll	owing	Office								this
	APPL	.ICA	ΓΙΟΝ's A	Applica	tion No	o., filir	ıg da	te, ar	nd Off	ice, wł	ien kn	iown;
	was	filed	on		and w	as give	en Ap	oplica	ation N	No	by th	e
	follo	wing	Office	"	Pá	atent (Office	<u>e</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

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"));

Mussestalu Inventor's Signature	1/10/2018 Date
Theresa A. Estrada	
Printed Name in English	Printed Name in Native Language
	(if other than English)

I Kylan Nieh ("ASSIGNOR") am the original inventor or an original joint invent	or of
subject matter ("INVENTION") disclosed and/or claimed in a patent application ent	itled
"ELECTRONIC DOCUMENT CONTENT CLASSIFICATION AND DOCUMENT	<u>TYPE</u>
<u>DETERMINATION</u> ", which:	
oxtimes 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	
APPLICATION's Application No., filing date, and Office, when known;	
\square was filed on and was given Application No by the	
following Office " Patent 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

MS Docket No.: 403257-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"));

Kanh	January 10, 2018
Inventor's signature	Date
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Kylan Nieh	
Printed Name in English	Printed Name in Native Language
	(if other than English)

MS Docket No.: 403257-US-NP

of subject m	atter ("INVENTION")	disclosed and/or c	laimed in a paten	original joint invento
	<u>DOCOMENT C</u> <u>10N</u> ", which:	<u>UNIENI CLASSIP</u>	ICATION AND	DOCUMENT TYPI
	LLC, One Microsof LEGAL REPRESENT on the following O	ASSIGNOR hereby representative, Mi t Way, Redmond, V [ATIVES], to inser and given App office plication No., filing	crosoft Technolo Vashington 9805: t here in parer dication No.	gy Licensing, 2 (ASSIGNEE'S ntheses (filedby) this
	was filed on following Office "_	and was giver Patent Of		by the
behalf of itse of acquiring, priority, in the derived there	If and its successor , the entire and ex ne INVENTION and t	s and assigns ("ASS clusive rights, title he APPLICATION (a tinuing application	IGNEE"), is entitle and interest, in and all other appl s, in whole or in	iability company, or d to, and is desirous cluding the right o ications and patents part, in and for the N DERIVATIVES"));
to insert the		iling date, and Of		AL REPRESENTATIVES owing table for any
Application	No.	Filing Date	Office	

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")):

Tory Day Inventor's Sygnature	1/4/10 K Date
Tev'n J. Powers	
Printed Name in English	Printed Name in Native Language
	(if other than English)