504142566 12/13/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAN RAKEN	12/01/2016
TIM ESCOLIN	12/12/2016
SCOTT SCHENONE	12/01/2016

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION
Street Address:	ONE MICROSOFT WAY
City:	REDMOND
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29587385

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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) 824-3000

Email: bwptopat@bannerwitcoff.com, lsunderland@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	013797.13317 JMF/LLS
NAME OF SUBMITTER:	JOHN M. FLEMING
SIGNATURE:	/John M. Fleming/
DATE SIGNED:	12/13/2016

Total Attachments: 3

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PATENT 504142566 REEL: 040722 FRAME: 0419

Atty. Ref: 013797.13317\US MS# 401029-US-DP

PATENT ASSIGNMENT

	atent application entitled 'El	ed subject matter ('INVENTION') disclo LECTRONIC INPUT DEVICE ON A DI	
AS: rep Wa 283	SIGNOR hereby authorizes presentatives, of Banner & V ashington, DC 20005-4051, 319, to insert here in parent	ted PATENT ASSIGNMENT. s and requests ASSIGNEE'S legal Witcoff, LTD., 1100 13th Street NW, Su who are associated with customer nur thesis (U.S. Serial No_29/587,385, fi ON's U.S. Serial Number and filing dat	nber iled
☐ was	s filed on , and was given ${\sf U}$	J.S. Serial No.	
☐ is fi	iled concurrently herewith;		
and assigns ('ASSIGN rights, title and interest and patents derived the territories, and all fore For good and the ASSIGNOR, the A entire and exclusive right APPLICATION DERIVASSIGNOR agand prosecution of the regarding letters pater	NEE'), is entitled to, and is one of the INVENTION and the INVENTION and the herefrom, such as continuing countries ('APPLICATION valuable consideration, the ASSIGNOR hereby sells, as ights, title and interest in the VATIVES); grees to execute all instrumbe APPLICATION (and APPLICATION)	e receipt of which is hereby acknowledgesigns and transfers to the ASSIGNEE are INVENTION and the APPLICATION ments and documents required for the notice and DERIVATIVES), for litigation or the purpose of protecting and perfections.	cclusive ations tates, its ged by , the (and naking n
12/1/11	k	ja volu	
DATE		Jan Raken	

PATENT REEL: 040722 FRAME: 0420

Atty. Ref: 013797.13317\US MS# 401029-US-DP

PATENT ASSIGNMENT

	henone ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed a patent application entitled 'ELECTRONIC INPUT DEVICE ON A DISPLAY', which:
X	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, of Banner & Witcoff, LTD., 1100 13th Street NW, Suite 1200, Washington, DC 20005-4051, who are associated with customer number 28319, to insert here in parenthesis (U.S. Serial No $\underline{29/587,385}$, filed $\underline{12/13/2016}$) this APPLICATION's U.S. Serial Number and filing date, when known;
	was filed on , and was given U.S. Serial No.
	is filed concurrently herewith;
and assigns ('ASS rights, title and int and patents derive territories, and all For good at the ASSIGNOR, the entire and exclusive APPLICATION DE ASSIGNO and prosecution or regarding letters p	Corporation, a Washington Corporation, on behalf of itself and its successors SIGNEE'), is entitled to, and is desirous of acquiring, the entire and exclusive erest in the INVENTION and the APPLICATION (and all other applications ed therefrom, such as continuing applications, in and for the United States, its foreign countries ('APPLICATION DERIVATIVES')); and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the ve rights, title and interest in the INVENTION and the APPLICATION (and ERIVATIVES); R agrees to execute all instruments and documents required for the making of the APPLICATION (and APPLICATION DERIVATIVES), for litigation extent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
12/01/2016	Sitt Span
DATE	Scott Schenone

PATENT REEL: 040722 FRAME: 0421

Atty. Ref: 013797.13317\US MS# 401029-US-DP

PATENT ASSIGNMENT

	olin ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed a patent application entitled 'ELECTRONIC INPUT DEVICE ON A DISPLAY' which:
_	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, of Banner & Witcoff, LTD., 1100 13th Street NW, Suite 1200 Washington, DC 20005-4051, who are associated with customer number 28319, to insert here in parenthesis (U.S. Serial No_29/587,385, filed 12/13/2016) this APPLICATION's U.S. Serial Number and filing date, when known;
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and assigns ('ASS rights, title and integrated and patents derived territories, and all the ASSIGNOR, the entire and exclusive APPLICATION DE ASSIGNOR and prosecution of regarding letters p	Corporation, a Washington Corporation, on behalf of itself and its successors (IGNEE'), is entitled to, and is desirous of acquiring, the entire and exclusive erest in the INVENTION and the APPLICATION (and all other applications ed therefrom, such as continuing applications, in and for the United States, its foreign countries ('APPLICATION DERIVATIVES')); and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the verights, title and interest in the INVENTION and the APPLICATION (and ERIVATIVES); Regrees to execute all instruments and documents required for the making of the APPLICATION (and APPLICATION DERIVATIVES), for litigation atent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
12/12/16	TimpLL
DATE	Tim Escolin

RECORDED: 12/13/2016

PATENT REEL: 040722 FRAME: 0422