#### 504021317 09/26/2016

### PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4067975

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MONIQUE CHATTERJEE	09/20/2016
RICHARD T. HANKS	08/25/2016
WILLIAM BENNETT MABRY	08/29/2016
AUSTIN PORTER	08/22/2016

#### **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:	29578412

### **CORRESPONDENCE DATA**

Fax Number: (202)824-3001

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BANNER & WITCOFF, LTD. **Correspondent Name:** 

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ATTORNEY DOCKET NUMBER:	013797.12820
NAME OF SUBMITTER:	JEFFREY H. CHANG
SIGNATURE:	/Jeffrey H. Chang/
DATE SIGNED:	09/26/2016

**Total Attachments: 4** 

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I, Monique Chatterjee ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed and/or claimed in a patent application entitled 'CONTROLLER' ('APPLICATION'), 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 29/578,412 , filed 09/21/16 ) 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;
Microsoft Corporation, a Washington Corporation, 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 in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ('APPLICATION DERIVATIVES'));  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, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and 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).
DAFE    Monique Chatteriee

	orter ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed a patent application entitled 'CONTROLLER' ('APPLICATION'), 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 $\underline{29/578,412}$ , filed $\underline{09/21/16}$ ) 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 we 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 eatent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
08/22/20	16
DATE	Austin Porter

	T. Hanks ('ASSIGNOR'), have invented subject matter ('INVENTION') claimed in a patent application entitled 'CONTROLLER' ('APPLICATION'),
0000000	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. $29/578,412$ , filed $09/21/16$ this APPLICATION's U.S. Serial Number and filing date, when known;
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	is filed concurrently herewith;
and assigns ('ASS rights, title and int and patents derive territories, and all For good a the ASSIGNOR, t entire and exclusi APPLICATION DI ASSIGNO and prosecution of 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).
8/25/14	, CAA
DATE	Richard T. Hahks

	Bennett Mabry ('ASSIGNOR'), have invented subject matter ('INVENTION') claimed in a patent application entitled 'CONTROLLER' ('APPLICATION'),
SANGER STATE OF THE SANGER	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 $29/578,\!412$ , filed $09/21/16$ ) this APPLICATION's U.S. Serial Number and filing date, when known;
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	is filed concurrently herewith;
and assigns ('ASS rights, title and int and patents derive territories, and all For good at the ASSIGNOR, tentire and exclusi APPLICATION DIASSIGNO	R agrees to execute all instruments and documents required for the making
regarding letters p	of the APPLICATION (and APPLICATION DERIVATIVES), for litigation to batent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
DATE 08/29,	116 <u>(</u> )
DATE *	( William Bennett Mabry

PATENT REEL: 039854 FRAME: 0046

**RECORDED: 09/26/2016**