504094607 11/14/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4140086

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRYAN A. SPARKS	08/08/2016
NICOLAS DENHEZ	08/26/2016
YEONGKYU YOO	07/25/2016
ANDREW KIM	08/01/2016
YOUNG DUK SONG	11/08/2016
GREGORY G JONES	07/25/2016
CARL J. LEDBETTER	08/03/2016

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:	29564601

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, lwilley@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:	013797.13110
NAME OF SUBMITTER:	STEVE S. CHANG
SIGNATURE:	/Steve Chang/
DATE SIGNED:	11/14/2016

504094607 REEL: 040310 FRAME: 0701

Total Attachments: 7 source=13110_Assignment-executed#page1.tif source=13110_Assignment-executed#page2.tif source=13110_Assignment-executed#page3.tif source=13110_Assignment-executed#page4.tif source=13110_Assignment-executed#page5.tif source=13110_Assignment-executed#page6.tif source=13110_Assignment-executed#page7.tif

	Sparks ('ASSIGNOR'), have invented subject matter ('INVENTION')
disclosed and/or (('APPLICATION')	claimed in a patent application entitled 'ELECTRONIC HOUSING'
	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, filed) this APPLICATION's U.S. Serial Number and filing date, when known;
X	was filed on 05/13/2016, and was given U.S. Serial No 29/564,601.
	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	R agrees to execute all instruments and documents required for the making
regarding letters p	of the APPLICATION (and APPLICATION DERIVATIVES), for litigation patent derived therefrom, and for the purpose of protecting and perfecting title ION (and APPLICATION DERIVATIVES).
08/08/2016	Buf

Bryan A. Sparks

DATE

	Denhez ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed a patent application entitled 'ELECTRONIC HOUSING' ('APPLICATION'),
which:	a patent application entitled ELECTRONIC HOUSING (AFFLICATION),
	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, filed) this APPLICATION's U.S. Serial Number and filing date, when known;
区	was filed on 05/13/2016, and was given U.S. Serial No 29/564,601.
	is filed concurrently herewith;
and assigns ('ASS rights, title and int and patents derive	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'));
the ASSIGNOR, t	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):
and prosecution o regarding letters p	R agrees to execute all instruments and documents required for the making f the APPLICATION (and APPLICATION DERIVATIVES), for litigation attent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
08/26/	1016
DATE	Nicolas Dennez

ASSIGNO and prosecution or regarding letters p	of the APPLICATION (and APPLICATION DERIVATIVES), for litigation patent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES). YeongKyu Yoo
ASSIGNO and prosecution or regarding letters p	patent derived therefrom, and for the purpose of protecting and perfecting title
territories, and all For good a the ASSIGNOR, t	R agrees to execute all instruments and documents required for the making
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which:	

	Kim ('ASSIGNOR'), have invented subject matter ('INVENTION') disclosed a patent application entitled 'ELECTRONIC HOUSING' ('APPLICATION'),
	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, filed) this APPLICATION's U.S. Serial Number and filing date, when known;
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8/1/2016	Andrew Kim
DATE	Andrew Kim

disclosed and/or of	Duk Song ('ASSIGNOR'), have invented subject matter ('INVENTION') Claimed in a patent application entitled 'ELECTRONIC HOUSING'
('APPLICATION')	•
Ц	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, filed) this APPLICATION's U.S. Serial Number and filing date, when known;
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11/08/201	6 Inst
DATE	Young Duk Song

I, Gregory disclosed and/or ('APPLICATION')	G. Jones ('ASSIGNOR'), have invented subject matter ('INVENTION') claimed in a patent application entitled 'ELECTRONIC HOUSING' which:
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, filed) this APPLICATION's U.S. Serial Number and filing date, when known;
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regarding letters p to the APPLICATI	patent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
7/25/10	, Au I a
DATE	Gregory G. Jones

DATE	Carl J. Ledbetter
August 3, 20	6
and prosecution or regarding letters	ERIVATIVES); R agrees to execute all instruments and documents required for the making of the APPLICATION (and APPLICATION DERIVATIVES), for litigation patent derived therefrom, and for the purpose of protecting and perfecting title ON (and APPLICATION DERIVATIVES).
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	edbetter ('ASSIGNOR'), have invented subject matter ('INVENTION') claimed in a patent application entitled 'ELECTRONIC HOUSING' , which:

RECORDED: 11/14/2016