505765952 11/11/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY ALAN HOWARD	03/17/2011
JOSEPH SPENCER KING	03/17/2011
YILI AIWAZIAN	04/05/2011
IAN HUNTER TODD	03/18/2011
NAUD FRIJLINK	03/17/2011
SHAWNA JULIE DAVIS	03/17/2011
CHRISTER GARBIS	03/17/2011

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15183704

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NAME OF SUBMITTER: HOLLI L. TEMPLETON		
SIGNATURE: /Holli L. Templeton/		
DATE SIGNED:	11/11/2019	

505765952 PATENT REEL: 050964 FRAME: 0786

Total Attachments: 6 source=331831-US-CNT_Assignments#page1.tif source=331831-US-CNT_Assignments#page2.tif source=331831-US-CNT_Assignments#page3.tif source=331831-US-CNT_Assignments#page5.tif source=331831-US-CNT_Assignments#page8.tif source=331831-US-CNT_Assignments#page9.tif

PATENT REEL: 050964 FRAME: 0787

PATENT ASSIGNMENT

WE, Gregory Alan Howard, Joseph Spencer King, Yili Aiwazian, Ian Hunter Todd, Naud Frijlink, Shawna Julie Davis, and Christer Garbis, ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "INTEGRATED CONTACT CARD COMMUNICATION" ("APPLICATION"), which:

$ \sqrt{} $	will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR
	hereby authorizes, and requests, ASSIGNEE'S legal representatives, of
	the Law and Corporate Affairs Department, Microsoft Corporation, One
	Microsoft Way, Redmond, Washington 98052, who are associated with
	customer number 69316, to insert here in parenthesis (Application No. $\frac{13/082413}{}$, filed $\frac{04/08/2011}{}$) this APPLICATION's Application No. and
	filing date, when known;
	was filed on and was given Application 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).

Inventor's Signature	3 /17/11 Date
Gregory Alan Howard	
Printed Name in English	Printed Name in Native Language (if other than English)

MS Docket No.: <u>331831.01</u>

PATENT ASSIGNMENT

MS Docket No.: <u>331831.01</u>

Inventor's Signature	3/17/2011 Date
Joseph Spencer King	
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Inventor's Signature	Date
Yili Aiwazian	
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Inventor's Signature	Date
lan Hunter Todd	
Printed Name in English	Printed Name in Native Language (if

PATENT ASSIGNMENT MS Docket No.: 331831.01

_ JM	3/17/2.11
Inventor's Signature	Date
Naud Frijlink	
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Inventor's Signature	Date
Shawna Julie Davis	
Printed Name in English	Printed Name in Native Language (if

Christer Garbis Printed Name in English Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 331831.01

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Inventor's Signature	Date
Joseph Spencer King	
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viventor's Signature	Date
Yili Aiwazian	
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Inventor's Signature	Date
lan Hunter Todd	
Printed Name in English	Printed Name in Native Language (if other than English)

# PATENT ASSIGNMENT MS Docket No.: 331831.01

Inventor's Signature	Date
Joseph Spancar King	
Joseph Spencer King	Deleted News in Native Language (if
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Inventor's Signature	Date
Yili Aiwazian	
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	other than English)
11 21 (11)	2/14/2211
Afan Vin John	3/19/2011
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lan Hunter Todd	
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MS Docket No.: <u>331831.01</u>

Inventor's Signature	 Date
Naud Frijlink	
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Inventor's Signature	Date
Shawna Julie Davis	
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Inventor's Signature	 
5	
Christer Garbis	
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