PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7777059

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALICE JANE BERNHEIM BRUSH	12/13/2010
JOHN CHARLES KRUMM	12/13/2010
SHAHRIYAR AMINI	12/13/2010
AMY KARLSON	12/14/2010
JAIME TEEVAN	12/14/2010
NISSANKA ARACHCHIGE BODHI PRIYANTHA	12/14/2010

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:	16015630

CORRESPONDENCE DATA

Fax Number:

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.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: PO BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET NUMBER:	4872.069US3 INV TO MICROS
NAME OF SUBMITTER:	LESLIE J. ANTONSEN
SIGNATURE:	/Leslie J. Antonsen/
DATE SIGNED:	02/03/2023

Total Attachments: 16

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PATENT REEL: 062578 FRAME: 0645

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PATENT REEL: 062578 FRAME: 0646

RECORDATION FORM COVER SHEET PATENTS ONLY

Form PTO-1595 (Rev. 6-18) OMB No. 0651-0027 (exp. 10/31/2024) U.S. Department of Commerce United States Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please reco	ord the attached docum	nents or the new address(es) below.
1. Name of conveying party(ies):	2. Name and ad	dress of receiving party(ies):
Alice Jane Bernheim Brush, John Charles Krumm,	Name:	Microsoft Corporation
Shahriyar Amini, Amy Karlson, Jaime Teevan, Nissanka Arachchige Bodhi Priyantha	Street Address:	One Microsoft Way
Additional name(s) of conveying party(ies) attached?	City:	Redmond
[]Yes [X]No		WA
3. Nature of conveyance/Execution Date(s):		98052
Execution Date(s): December 13, 2010, December 13, 2010, December 13, 2010, December 14, 2010,	Country:	United States of America
December 14, 2010, December 14, 2010, December 14, 2010, December 14, 2010	•	(s) & address(es) attached?
 [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Joint Research Agreement [] Government Interest Assignment [] Executive Order 9424, Confirmatory License [] Other 	□Yes ⊠ N	NO
 4. Application number(s) or patent number(s): [] This docu A. Patent Application No.(s) Serial No. 16,015,630 filed June 22, 2018 Additional numbers attached? []Yes [X]No 		ath/Declaration (37 CFR 1.63) 3. Patent No.(s)
5 Name and address of newtons whom assured and	6. Total number	of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 (CFR 1.21(h) & 3.41): \$ <u>0.00</u>
Name: Susan Yee Address:	0743	zed to be charged to deposit account 19-
Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Minneapolis, Minnesota 55402	[]Enclosed [] None raffecting t	equired (government interest not
Phone Number: (408) 278-4057 Docket Number: 4872.069US3 Email Address: request@slwip.com	-	ormation ount No.: 19-0743 Jser Name: <u>Susan Yee</u>
9. Signature: / Susan Yee Susan Yee/Reg. No. 41,388	/	February 1, 2023
Name of Person Signing Total number of pages includin	Signature g cover sheet, attach	Date ments, and documents: 16

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

MS Docket No.:	331092.01

WE, Alice Jane Bernheim Brush, John Charles Krumm, Shahriyar Amini, Amy Karlson, Jaime Teevan, and Nissanka Arachchige Bodhi Priyantha ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MOBILE SEARCH BASED ON PREDICTED LOCATION" ("APPLICATION"), which:

Χ	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. $\frac{12/970974}{}$, filed $\frac{12/17/2010}{}$) 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 ASSIGNORS, the ASSIGNORS hereby sell, assign and transfer to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNORS agree 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).

PATENT ASSIGNMENT MS Docket No.: 331092.01

Muduu B.B. Bus Inventor's Signature	12/13/2010 Date
Alice Jane Bernheim Brush	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
John Charles Krumm	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Shahriyar Amini	
Printed Name in English	Printed Name in Native Language (if

other than English)

5711 1	12/14/2010
nventor's Signature	Date
Amy Karlson	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature Jaime Teevan	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Nissanka Arachchige Bodhi Priyantha	
Printed Name in English	Printed Name in Native Language (if

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PATENT	ASSIGNMENT
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PATENT ASSIGNMENT MS Docket No.: 331092.01

Inventor's Signature John Charles Krumm	Printed Name in Native Language (if other than English) \(\(\(\frac{1}{3} \) \) \(\sigma \) \(\text{Date} \)
Alice Jane Bernheim Brush Printed Name in English Inventor's Signature John Charles Krumm Printed Name in English	other than English)
Inventor's Signature John Charles Krumm	other than English)
John Charles Krumm	
	Printed Name in Native Language (if other than English)
Inventor's Signature	Date

Printed Name in Native Language (if

other than English)

Printed Name in English

PATENT ASSIGNMENT MS Docket No.: 331092.01 Inventor's Signature Date Amy Karison Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date Jaime Teevan Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date

Printed Name in Native Language (if

other than English)

Nissanka Arachchige Bodhi Priyantha

Printed Name in English

PATENT	ASSIGNMENT
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MS	Docket	No.:	331092.01
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Inventor's Signature Date Alice Jane Bernheim Brush Printed Name in English Printed Name in Native Language (if other than English)

Inventor's Signature	Date
John Charles Krumm	
Printed Name in English	Printed Name in Native Language (if other than English)

Juliy Ai	12/13/2010
Inventor's Signature	Date
Shahriyar Amini	
Printed Name in English	Printed Name in Native Language (if
	other than English)

PATENT ASSIGNMENT MS Docket No.: 331092.01 Inventor's Signature Date Amy Karison Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date Jaime Teevan Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date

Printed Name in Native Language (if

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Nissanka Arachchige Bodhi Priyantha

Printed Name in English

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nventor's Signature	Date
Alice Jane Bernheim Brush	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
John Charles Krumm	
Printed Name in English	Printed Name in Native Language (if other than English)
Inventor's Signature	Date
Shahriyar Amini	
Printed Name in English	Printed Name in Native Language (if

other than English)

inventor's Signature	Date
Amy Karison	
Printed Name in English	Printed Name in Native Language (if other than English)
***************************************	William Willia

fiet	12/14/10
Inventor's Signature	Date
Jaime Teevan	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature	Date
Nissanka Arachchige Bodhi Priyantha	
Printed Name in English	Printed Name in Native Language (if other than English)

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PATENT ASSIGNMENT MS Docket No.: 331092.01 Inventor's Signature Date Alice Jane Bernheim Brush Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date John Charles Krumm Printed Name in English Printed Name in Native Language (if other than English) Inventor's Signature Date Shahriyar Amini 🔧

Printed Name in English

Printed Name in Native Language (if

other than English)

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	PATENT ASSIGNMENT	MS Docket No.:	331092.01			
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Inventor's Signature	Date	11 14 14 14 14 14 14 14 14 14 14 14 14 1				
Amy Karlson		• .				
Printed Name in Englis		Printed Name in Native Language (if other than English)				
	·					
Inventor's Signature	Date					
Jaime Teevan						
Brinted Name in Englis	ch Printed Na	mo in Nativo Languago	. /i€			

Inventor's & gnature

other than English)

Nissanka Arachchige Bodhi Priyantha

Printed Name in English

Printed Name in Native Language (if

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