Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Anis Ahmad	04/18/2013
Ben Walker	04/18/2013
Daniel Kennett	04/18/2013
Andrew Flavell	04/19/2013

#### **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:	13869016

#### **CORRESPONDENCE DATA**

**Fax Number**: 4259367329

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Correspondent Name: Assal Meftahi

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Address Line 2: Patent Group Docketing Dept
Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	339008.01
NAME OF SUBMITTER:	Amandeep Kaur
Signature:	/Amandeep Kaur/

502323546 REEL: 030281 FRAME: 0903

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Date:	04/25/2013
Total Attachments: 8 source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page source=339008-01-Exec-Assignment#page	2.tif 3.tif 4.tif 5.tif 6.tif 7.tif

PATENT REEL: 030281 FRAME: 0904

inventor of	subject matter (		inventor or an original joint and/or claimed in a patent PPLICATION"), which:
	ASSIGNEE'S legal Department, Micro Washington 9805 here in parent Application No.	ASSIGNOR hereby auth representatives, of the La osoft Corporation, One M2 (ASSIGNEE'S LEGAL REPRIBLES (filed on 13/869016 by this siling date, and Office, when the second state of the lates of the lat	w and Corporate Affairs icrosoft Way, Redmond, RESENTATIVES), to insert and given he following Office APPLICATION's
	was filed on	and was given .	Application
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ASSIC	INOR hereby	authorizes, and req	uests, ASSIGNEE'S LEGAL
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Application	No.	Filing Date	Office
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Page 1 of 2

MS Docket No.: 339008.01

MS Docket No.: 339008.01

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, ASSIGNOR's 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).

ha dh	4/18/2013
Inventor's Signature	Date
Anis Ahmad	
Printed Name in English	Printed Name in Native Language
4	(if other than English)

- <sup>7</sup> - 1,	Ber	n Walke	r ("ASSI	GNOR")	am	the	original	inventor	or	an	orig	ina	l joint
inventor	of	subject	matter	("INVE	NTIO	N")	disclosed	and/or	clai	med	in	a	patent
applicat	ion er	ntitled "(	OPTICAL	HEART	RATE	TRA	CKING"("A	PPLICATI	ON"	),whi	ch:		

MS Docket No.: 339008.01

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	ASSI	GNEE	'S legal	represe	entat	ives,	of tl	he L	.aw an	d Cor	porate	Affairs
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	"						";					

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"));

ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S LEGAL REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known:

Application No.	Filing Date	Office	
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Page 1 of 2

PATENT REEL: 030281 FRAME: 0907

MS Docket No.: 339008.01

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, ASSIGNOR's 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).

		:	
Ben Wals	4-18-13		
Inventor's Signature	Date	:	
Ben Walker		ir	
Printed Name in English	Printed Name in Native Language (if other than English)	j	, i

## PATENT ASSIGNMENT MS Docket No.: 339008.01

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inventor of	aniel Kennett ("AS subject matter ( entitled " <u>OPTICAL F</u>	("INVENTION") d	isclosed a	ınd/or claime	d in a patent
	will be filed. ASSIGNEE'S legal Department, Micro Washington 9805 here in parent Application No	osoft Corporation 2 (ASSIGNEE'S LE cheses (filed 13/869016	of the Law on, One Mic EGAL REPRE on23-APR-2 by th )this	v and Corporat crosoft Way, Ro ESENTATIVES), 2013and e following APPLIC	ee Affairs edmond, to insert d given Office
	was filed on No		ng Office	pplication	
successors a entire and e (and all ot applications	soft Corporation, and assigns ("ASSIC exclusive rights, tither applications and for the UDN DERIVATIVES"));	GNEE"), is entitle le and interest i and patents de	ed to, and n the INVE crived ther	is desirous of NTION and the refrom, such	acquiring, the APPLICATION as continuing
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Page 1 of 2

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MS Docket No.: 339008.01

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Dail Kuth Inventor's Signature	4/18/2.013 Date
Daniel Kennett	
Printed Name in English	Printed Name in Native Language
	(if other than English)

# PATENT ASSIGNMENT MS Docket No.: 339008.01

inventor of	subject matter (	"INVENTION") disclose	nal inventor or an original joed and/or claimed in a pate "("APPLICATION"),which:
	ASSIGNEE'S legal Department, Micro Washington 9805 here in parent Application No.	representatives, of the osoft Corporation, One 2 (ASSIGNEE'S LEGAL R heses (filed on <sup>23-</sup>	the following Office APPLICATION's
		and was giv by the following Off ";	
successors a entire and e (and all oth applications,	nnd assigns ("ASSIO xclusive rights, tit her applications	GNEE"), is entitled to, le and interest in the and patents derived	ation, on behalf of itself and and is desirous of acquiring, INVENTION and the APPLICATI therefrom, such as continu tories, and all foreign counti
REPRESENTA	TIVES to insert t		requests, ASSIGNEE'S LEC filing date, and Office into
Application I		Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 339008.01

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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).

14	4/19/2013		
Inventor's Signature Andrew Flavel	Date		
Printed Name in English	Printed Name in Native Language (if other than English)		