504148229 12/21/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4194902

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUMAN KUMAR NATH	03/15/2013
ORIANA RIVA	03/14/2013
DOUGLAS CHRISTOPHER BURGER	03/13/2013
PRASHANTH MOHAN	03/15/2013

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:	15379452

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: usdocket@microsoft.com

Correspondent Name: MICROSOFT CORPORATION

Address Line 1: ONE MICROSOFT WAY

Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:	338170-US-DIV
NAME OF SUBMITTER:	TODD E. BEHRENS
SIGNATURE:	/Todd E. Behrens/
DATE SIGNED:	12/21/2016

Total Attachments: 8

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PATENT 504148229 REEL: 041087 FRAME: 0911

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PATENT REEL: 041087 FRAME: 0912

MS	Docket	No.:	338170.01

1,	Sum	an Kuma	ır Nath,	("ASSIGNOR") ar	n the origi	nal inven	tor or an	origir	ial joint
inventor	of	subject	matter	("INVENTION")	disclosed	and/or	claimed	in a	patent
applicati	on e	ntitled "E	NERGY-	EFFICIENT MOB	<u>LE ADVERT</u>	<u> </u>	APPL CAT	ION"),	which:

	(filed on			
INO.	13/831845			fallowing
US Patent an	d Trademark Office		s API	PLICATION'S
o., filing o	date, and Offic	ce, when kno	wn;	
o., filing c	iate, and Offi	ce, when kno	, 11VVII	
	and was	aiven Appli	cation	
	o., filing o	o., filing date, and Offic	o., filing date, and Office, when kno	US Patent and Trademark Office) this AP o., filing date, and Office, when known;

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	
15379452	2016-12-14	USPTO	
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PATENT ASSIGNMENT MS Docket No.: 338170.01

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 ir struments 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).

**************************************	- #ADDDDDDDDD
Sund	3/15/2013
Inventor's Signature	Date
Suman Kumar Nath	
Printed Name in English	Printed Name in Native Language
	(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338170.01

I, <u>Oriana Riva</u> , ("ASSIGNO of subject matter ("INVENTIOI entitled " <u>ENERGY-EFFICIENT MC</u>	N") disclosed and/or cla			
ASSIGNEE'S legal Department, Micro Washington 9805 here in parenth Application No Office US Pa	ASSIGNOR hereby authorepresentatives, of the Law osoft Corporation, One M 2 (ASSIGNEE'S LEGAL REPRESES (filed on 15-MAF) 13/831845 tent and Trademark Office whe	w and Corporate Affairs icrosoft Way, Redmond, iESENTATIVES), to insert in and given by the following) this APPLICATION's		
was filed on and was given Application No by the following Office "";				
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, title (and all other applications a applications, in and for the U ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and e and interest in the INV and patents derived the	ENTION and the APPLICATION erefrom, such as continuing		
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. 15379452	Filing Date 2016-12-14	Office USPTO		

Page 1 of 1

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Inventor's Signature

Date

Oriana Riva

Printed Name in English

Printed Name in Native Language

ORIANA BIVA

MS Docket No.: 338170.01

(if other than English)

PATENT ASSIGNMENT MS Docket No.: 338170.01

I, <u>Douglas Christopher</u> original joint inventor of subjection patent application entitled "ENI which:	ect matter ("INVENTION") o	
ASSIGNEE'S legal of Department, Microwashington 9805, here in parenth Application No Office	ASSIGNOR hereby authorepresentatives, of the Lavosoft Corporation, One Mice (ASSIGNEE'S LEGAL REPRESES (filed on 15-MAF) (13/831845) (14 tent and Trademark Office) (18 tent and Office, where the second of the sec	v and Corporate Affairs crosoft Way, Redmond, ESENTATIVES), to insert -2013 and given by the following) this APPLICATION's
	and was given by the following Office	
Microsoft Corporation, a successors and assigns ("ASSIC entire and exclusive rights, titl (and all other applications a applications, in and for the L ("APPLICATION DERIVATIVES"));	GNEE"), is entitled to, and le and interest in the INV and patents derived the	ENTION and the APPLICATION refrom, such as continuing
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	Filing Date	Office
Application No. 15379452	2016-12-14	USPTO

Page 1 of 2

MS Docket No.: <u>338170.01</u>

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Inventor's Signature	3/13/13 Date
Douglas Christopher Burger Printed Name in English	Printed Name in Native Language (if other than English)

I, <u>Prashanth Mohan</u>, ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "<u>ENERGY-EFFICIENT MOBILE ADVERTISING</u>" ("APPLICATION"), which:

MS Docket No.: 338170.01

Department	, Microsoft	sentatives, of Corporation, (SIGNEE'S LEGA	One Micros	oft Wa	y, Redmond
_	arentheses	(filed on	15-MAR-2013 by	the	and giver
	115.5	IT I LOSS			_
Office		d Trademark Office			PPLICATION'S
		d trademark Office			PLICATION's
Application	No., filing (e, when kno	own;	
Application	No., filing o	date, and Offic	e, when kno	own;	

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;

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15379452	2016-12-14	USPTO

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MS Docket No.: 338170.01

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Ended and			
	03/15/2013		
Inventor's Signature	Date		
Prashanth Mohan	பிரவுந்த		
Printed Name in English	Printed Name in Native Language		
	(if other than English)		