504135859 12/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4192145

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARC DAVID MCCLURE	06/14/2011
ABOLADE GBADEGESIN	06/10/2011
CHITTUR PADMANABHAN SUBBARAMAN	06/15/2011
JIANPING YIN	06/15/2011
JORGE I. RAASTROEM	06/15/2011
YASSER SHAABAN	06/10/2011
TIMOTHY DANIEL NOONAN	06/20/2011
RACHEL JIANG	06/14/2011
PETER JOHN TORR	06/15/2011
VISHA GHOTGE	06/15/2011
GREGORY ARTHUR DE SOUZA	06/14/2011
PAVAN RAJAMOHAN HULLUMANE	06/15/2011
ADRIAN DRAGOMIR	06/15/2011
DARIN MILLER	06/15/2011
MEGAN GALBRAITH DONAHUE	06/16/2011

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:	15384303

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.

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PATENT REEL: 040676 FRAME: 0516

504135859

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ATTORNEY DOCKET NUMBER:	332296-US-CNT	
NAME OF SUBMITTER:	HOLLI L. TEMPLETON	
SIGNATURE:	/Holli L. Templeton/	

DATE SIGNED: 12/19/2016

Total Attachments: 14

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PATENT REEL: 040676 FRAME: 0517

I/WE, Marc David McClure, Abolade Gbadegesin, Chittur Padmanabhan Subbaraman, Jianping Yin, Jorge I. Raastroem, Yasser Shaaban, Timothy Daniel Noonan, Rachel Jiang, Peter John Torr, Vishal Ghotge, Gregory Arthur de Souza, Pavan Rajamohan Hullumane, Adrian Dragomir, Darin Miller and Megan Galbraith Donahue ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "Background Transfer Service for Applications on Mobile Devices" ("APPLICATION"), which:

\boxtimes	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 39254, to insert here in parenthesis (Application No
	13/164,678, filed June 20, 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).

MS Docket No.: 332296.02 6/14/2011 Marc David McClure (Signature) Date McClure Printed Name in Native Language (if Printed Name in English other than English) Date Abolade Gbadegesin (Signature) Printed Name in Native Language (if Printed Name in English other than English) Chittur Padmanabhan Subbaraman Date (Signature) Printed Name in Native Language (if Printed Name in English other than English) Jianping Yin (Signature) Date Printed Name in English Printed Name in Native Language (if

Marc David McClure (Signature)	Date
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Abolade Gbadegesin (Signature)	Date
ABOLADE GRADEGESIN	
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	other than English)
Chittur Padmanabhan Subbaraman (Signature)	
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	other than English)
Jianping Yin (Signature)	Date
Printed Name in English	Printed Name in Native Language (if
	other than English)

Page 2 of 5

PATENT REEL: 040676 FRAME: 0520

Marc David McClure (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Abolade Gbadegesin (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
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Chittur Padmanabhan Subbaraman (Signature)	Date
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Page 2 of 5

MS Docket No.: 332296.02 June 15, 2011 Jorge J. Raastroem (Signature) Date Rashnown Printed Name in English Printed Name in Native Language (if other than English) Yasser Shaaban (Signature) Date Printed Name in English Printed Name in Native Language (if other than English) Timothy Daniel Noonan (Signature) Date Printed Name in Native Language (if Printed Name in English other than English) Rachel Jiang (Signature) Date

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_	Yasser Shaaban (Signature)	Date
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orge I. Raastroem (Signature)	Date
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Yasser Shaaban (Signature)	Date
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Timothy Daniel Noonan (Signature)	Date
Timothy Daniel Noon	av)
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Rachel Jiang (Signature)	Date
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Jorge I. Raastroem (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Yasser Shaaban (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Timothy Daniel Noonan (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Rachel Jiang (Signature)	
Printed Name in English	Printed Name in Native Language (if other than English)

PATENT ASSIGNMENT MS Docket No.: 332296.02 JUME 2011 Peter John Torr (Signature) Date PETER JOHN TORR Printed Name in Native Language (if Printed Name in English other than English) Vishal Ghotge (Signature) Date Printed Name in English Printed Name in Native Language (if other than English) Gregory Arthur de Souza (Signature) <u>(regory</u> de Souza Printed Name in English Printed Name in Native Language (if other than English) Pavan Rajamohan Hullumane Date (Signature) Printed Name in English Printed Name in Native Language (if

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Peter John Torr (Signature)	Date
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M.	6/15/11
Vishal Ghotge (Signature)	Date
Vishal Ghotge	
Printed Name in English	Printed Name in Native Language (if other than English)
Gregory Arthur de Souza (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Pavan Rajamohan Hullumane (Signature)	Date
Printed Name in English	 Printed Name in Native Language (if

Page 4 of 5

other than English)

PATENT REEL: 040676 FRAME: 0527

Peter John Torr (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Vishal Ghotge (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Gregory Arthur de Souza (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Pavan Kajamohan Hullumane (Signature)	06 15 2011 Date
Pavan Rajamohan Hullumane	
Printed Name in English	Printed Name in Native Language (if

<u>Negauric</u> 06/15/2011 Adrian Dragomir (Signature) Date Printed Name in Native Language (if Printed Name in English other than English) Darin Miller (Signature) Date Printed Name in Native Language (if Printed Name in English other than English) Megan Galbraith Donahue (Signature) Date Printed Name in English Printed Name in Native Language (if other than English)

Adrian Dragomir (Signature) Date Printed Name in Native Language (if Printed Name in English other than English) Darffi Miller (Signature) Date Printed Name in Native Language (if Printed Name in English other than English) Megan Galbraith Donahue (Signature) Date

Printed Name in English

Printed Name in Native Language (if

other than English)

Adrian Dragomir (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Darin Miller (Signature)	Date
Printed Name in English	Printed Name in Native Language (if other than English)
Megan Galbraith Donahue (Signature)	June 16 2011 Date
Megan Donghhe Printed Name in English	Printed Name in Native Language (if

other than English)

RECORDED: 12/19/2016