PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
BIGYAN RAJBHANDARI	02/24/2014
DUC T. LUONG	02/24/2014
KIKY W. TANGERINE	02/24/2014
ZHONGHAU CHU	02/24/2014
RAMAKANTHACHARY S. GOTTUMUKALA	02/21/2014

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION	
Street Address:	ONE MICROSOFT WAY	
Internal Address:	PATENT GROUP DOCKETING DEPT.	
City:	REDMOND	
State/Country:	WASHINGTON	
Postal Code:	98052	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14189384

CORRESPONDENCE DATA

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Correspondent Name: ASSAL MEFTAHI

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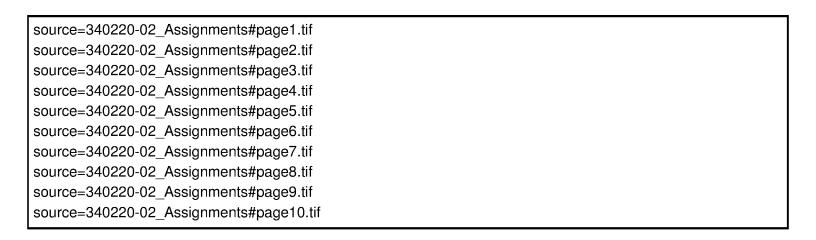
Address Line 2: PATENT GROUP DOCKETING DEPT Address Line 4: REDMOND, WASHINGTON 98052

ATTORNEY DOCKET NUMBER: 340220.02	
NAME OF SUBMITTER: JOSEPH R. KELLY	
SIGNATURE: /Joseph R. Kelly/	
DATE SIGNED:	03/21/2014

Total Attachments: 10

502733094 REEL: 032497 FRAME: 0338

PATENT



PATENT REEL: 032497 FRAME: 0339

MS Docket No.: 340220.02

I <u>Bigyan Rajbhandari</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>MASTER DATA MANAGEMENT</u>" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on February 25, 2014 and given Application No. 14/189,384 by the following Office US United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known;
- was filed on and was given Application No ___ by the following Office "US United States Patent and Trademark Office)";

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, 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	
Application No.	7 mig Date		
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PATENT

REEL: 032497 FRAME: 0340

MS Docket No.: 340220.02

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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

Bigyan Raibhandari

Printed Name in English

02/24/14

Date

19216 412121

Printed Name in Native Language

(if other than English)

MS Docket No.: 340220.02 I Duc T. Luong ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MASTER DATA MANAGEMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on February 25, 2014 and given Application No. 14/189,384 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on and was given Application No ___ by the following Office "US - United States Patent and Trademark Office)"; 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); hereby authorizes. and requests, ASSIGNEE'S LEGAL ASSIGNOR REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Application No. Filing Date

Page 1 of 2

PATENT REEL: 032497 FRAME: 0342

MS Docket No.: 340220.02

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")):

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Inventor's Signature

Date

Duc T. Luong

Printed Name in English

Printed Name in Native Language

(if other than English)

I Kiky W. Tangerine ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MASTER DATA MANAGEMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on February 25, 2014 and given Application No. 14/189,384 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on and was given Application No ___ by the following Office "US - United States Patent and Trademark Office)"; 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); ASSIGNEE'S **LEGAL** ASSIGNOR hereby authorizes. and requests, REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Office Application No. Filing Date

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PATENT REEL: 032497 FRAME: 0344

MS Docket No.: 340220.02

MS Docket No.: 340220.02

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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).

W.	2/24 /2014
Inventor's Signature	Date
Kiky W. Tangerine	
Printed Name in English	Printed Name in Native Language
	(if other than English)

	PATENT	ASSIGNMENT	MS Docket No.: 340220.01
inventor of	subject matter	-	inventor or an original joint and/or claimed in a patent PLICATION"), which:
	ASSIGNEE'S legal Department, Micr Washington 9805 here in parenth Application No States Patent	ASSIGNOR hereby autrepresentatives, of the Licosoft Corporation, One Market Co	aw and Corporate Affairs Microsoft Way, Redmond, RESENTATIVES), to insert and given owing Office US – United this APPLICATION's
		ber 31, 2013 and was give following Office " <u>US – (</u> ";	
successors a entire and e (and all oth applications, ("APPLICATIO	nd assigns ("ASSIO ecclusive rights, tit ner applications in and for the to N DERIVATIVES"));	GNEE"), is entitled to, an le and interest in the IN' and patents derived th Jnited States, its territo	on, on behalf of itself and its desirous of acquiring, the VENTION and the APPLICATION erefrom, such as continuing ries, and all foreign countries
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following table for any APPLICATION DERIVATIVES after they are known;			
Application N		Filing Date	Office
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Page 1 of 2

PATENT ASSIGNMENT MS Docket No.: 340220.01

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):

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LR 2-8	02/24/2014
Inventor's Signature	Date
Zhonghua Chu	满件 车
Printed Name in English	Printed Name in Native Language
	(if other than Fooligh)

MS Docket No.: 340220.02 I Ramakanthachary S. Gottumukala ("ASSIGNOR") am the original inventor or an original joint inventor of subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MASTER DATA MANAGEMENT" ("APPLICATION"), which: will be filed. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052 (ASSIGNEE'S LEGAL REPRESENTATIVES), to insert here in parentheses (filed on February 25, 2014 and given Application No. 14/189,384 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known; was filed on and was given Application No ___ by the following Office "US - United States Patent and Trademark Office)"; 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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")); ASSIGNEE'S **LEGAL** and requests, hereby authorizes. ASSIGNOR REPRESENTATIVES to insert the Application No., filing date, and Office into the following table for any APPLICATION DERIVATIVES after they are known; Filing Date Office Application No.

> **PATENT REEL: 032497 FRAME: 0348**

MS Docket No.: 340220.02

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, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("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

Date

Ramakanthachary S. Gottumukala

Printed Name in English

Printed Name in Native Language
(if other than English)