

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael P. Mastrangelo	04/01/2011
Aladdin A. Nassar	04/01/2011
David M. Alongi	04/01/2011
Emmanuel Jose Miranda-Steiner	04/01/2011
Tze Meng Lee	03/30/2011
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:	13081222
CORRESPONDENCE DATA	
Fax Number:	(425)936-7329
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Email:	vffiling@microsoft.com
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Address Line 1:	One Microsoft Way
Address Line 2:	Patent Group Docketing Dept
Address Line 4:	Redmond, WASHINGTON 98052
ATTORNEY DOCKET NUMBER:	332038.01
NAME OF SUBMITTER:	Gopal Sharma

CH \$40.00 13081222

Total Attachments: 6

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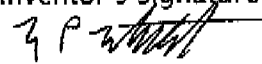
I/WE, Michael P. Mastrangelo, Aladdin A. Nassar, David M. Alongi, Emmanuel Jose Miranda-Steiner, Tze Meng Lee ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CACHE DATA DETECTION" ("APPLICATION"), which:

- 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. 13/081222, filed 04/06/2011) 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).

Inventor's Signature 	Date 04/01/2011
Printed Name in English Michael Paul Mastrangelo	Printed Name in Native Language (if other than English)

Inventor's Signature <i>Aladdin A. Nassar</i> Aladdin A. Nassar	Date 4/1/2011
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature David M. Alongi	Date
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature Emmanuel Jose Miranda-Steiner	Date
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature Tze Meng Lee	Date
Printed Name in English	Printed Name in Native Language (if other than English)

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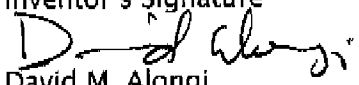
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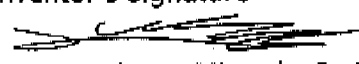
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Printed Name in English	Printed Name In Native Language (if other than English)

Inventor's Signature	Date
 David M. Alongi	4/1/2011
Printed Name in English	Printed Name in Native Language (if other than English)
David Michael Alongi	

Inventor's Signature	Date
 Emmanuel Jose Miranda-Steiner	4/1/2011
Printed Name in English	Printed Name in Native Language (if other than English)
Emmanuel Miranda Steiner	

Inventor's Signature	Date
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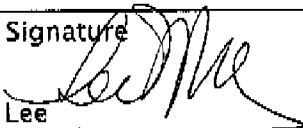
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Emmanuel Jose Miranda-Steiner	
Printed Name in English	Printed Name in Native Language (if other than English)

Inventor's Signature 	Date
Tze Meng Lee	3/30/2011
Printed Name in English TZE MENG LEE	Printed Name in Native Language (if other than English)