PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Baskaran Dharmarajan | 11/24/2011 |
| Andy Chin | 11/23/2011 |
| Aladdin A. Nassar | 11/28/2011 |

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: | 13307017 |

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Address Line 4: Redmond, WASHINGTON 98052

| ATTORNEY DOCKET NUMBER: | 333738.01 |
|-------------------------|-----------|
|-------------------------|-----------|

NAME OF SUBMITTER: Ruchika Kapoor

Total Attachments: 4

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PATENT REEL: 027297 FRAME: 0991

501738352

PATENT ASSIGNMENT MS Docket No.: 333738.01

| application en | subject matter ("INVENTION titled " MIGRATING AUTHEN APPLICATION"), which: | | |
|---|---|--|---|
| | will be filed without this exhereby authorizes, and required Law and Corporate Affai Microsoft Way, Redmond, Wiccosoft Way, Redmond, Wiccosoft Way, Redmond, Wiccosoft Way, Redmond, Wiccosoft Way, Redmond, William Indiana, Filed 11/34 and filing date, when known was filed on and is filed concurrently herewith | uests, ASSIGNEE'S leg rs Department, Micro ashington 98052, wh insert here in parenth 1/2011) this APPLICAT ; I was given Applicatio | pal representatives, of soft Corporation, One to are associated with tests (Application No. TON's Application No. |
| entire and exceptions and all other applications, in the control of the control of the ASSIGNEE, the APPLICATION ASSIGNEE and in the control of the control | ft Corporation, a Washington if assigns ("ASSIGNEE"), is entituded by the analysis of the united states of and valuable considerable the entire and exclusive right (and APPLICATION (and letters patent derived the insecution of the APPLICATION (and the APPLICATION (and the application of the APPLICATION (and the application of the APPLICATION (and the title to the APPLICATION (and title to the APPLICATION (and title to the APPLICATION (and title to the APPLICATION). | titled to, and is desired to the INVENTION derived therefrom, its territories, and the receipt of the title and interest its, title and interest its, title and docum its and docum its and for the erefrom, and for the | rous of acquiring, the and the APPLICATION such as continuing all foreign countries of which is hereby signs and transfers to in the INVENTION and ents required for the DN DERIVATIVES), for purpose of protecting |
| Inventor's S | gnature | | |
| Baskaran Di Printed Nan | narmarajan ne in English | Frinted Name in Nat | 7 7' |

I/WE, Baskaran Dharmarajan, Andy Chin, and Aladdin A. Nassar ("ASSIGNOR"),

Page 1 of 2

PATENT ASSIGNMENT

MS Docket No.: <u>333738.01</u>

Printed Name in Native Language (if

other than English)

Inventor's Signature

Andy Chin
Printed Name in English

Printed Name in Native Language (if other than English)

Inventor's Signature

Date

Aladdin Nassar

Printed Name in English

PATENT ASSIGNMENT MS Docket No.: 333738.01

| have invented subject matter ("INVENTION application entitled " MIGRATING AUTHENTION"), which: will be filed without this of the content of | Chin, and Aladdin A. Nassar ("ASSIGNOR"), N") disclosed and/or claimed in a patent INTICATED CONTENT TOWARDS CONTENT executed PATENT ASSIGNMENT. ASSIGNOR |
|--|--|
| the Law and Corporate Affa Microsoft Way, Redmond, Notes to Court Notes 13/307017 and 11/307017 and | quests, ASSIGNEE'S legal representatives, of airs Department, Microsoft Corporation, One Washington 98052, who are associated with insert here in parenthesis (Application No. 1/30/2011) this APPLICATION's Application No. |
| and filing date, when know was filed on ar is filed concurrently herewi | nd was given Application No; |
| successors and assigns ("ASSIGNEE"), is entire and exclusive rights, title and inter (and all other applications and patents applications, in and for the United State ("APPLICATION DERIVATIVES")); For good and valuable consideracknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclusive righthe APPLICATION (and APPLICATION DERIVATION CASSIGNOR agrees to execute all in making and prosecution of the APPLICATION. | struments and documents required for the TION (and APPLICATION DERIVATIVES), for therefrom, and for the purpose of protecting |
| Inventor's Signature | |
| Baskaran Dharmarajan Printed Name in English | Printed Name in Native Language (if |

Page 1 of 2

other than English)

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MS Corket No. 22722

Inventor's Signature

Date

Andy Chin

Printed Name in English

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other than English)

Inventor's Signature

Aladdin Nassar

Printed Name in English

Date

ALIDVA A NASSAK

Printed Name in Native Language (if Other than English)

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RECORDED: 11/30/2011 REEL: 027297 FRAME: 0995