

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name                  | Execution Date |
|-----------------------|----------------|
| Tolga Acar            | 02/11/2009     |
| Josh Benaloh          | 02/09/2009     |
| Niels Thomas Ferguson | 02/09/2009     |
| Carl M. Ellison       | 02/10/2009     |
| Mira Belenkiy         | 02/09/2009     |
| Duy Lan Nguyen        | 02/18/2009     |

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: | 12389217 |

CORRESPONDENCE DATA

Fax Number: (425)936-7329

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 425-707-2290

Email: dbouton@microsoft.com

Correspondent Name: Dianne Bouton

Address Line 1: One Microsoft Way

Address Line 2: Patent Group Docketing Dept

Address Line 4: Redmond, WASHINGTON 98052

ATTORNEY DOCKET NUMBER:

325866.01

CH \$40.00 12389217

500926667

PATENT  
REEL: 023040 FRAME: 0849

NAME OF SUBMITTER:

Anup Kumar

**Total Attachments: 12**

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**PATENT ASSIGNMENT**

MS Docket No.: 325866.01

I/WE, Tolga Acar, Josh Benaloh, Niels Thomas Ferguson, Carl M. Ellison, Mira Belenkiy, and Duy Lan Nguyen ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MANAGING GROUP KEYS" ("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. \_\_\_\_\_, filed \_\_\_\_\_) this APPLICATION's Application No. and filing date, when known;

☒ was filed on 02/19/2009 and was given Application No. 12/389217,

☐ is filed concurrently herewith;

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|  |   |
|--|---|
| _____<br>Inventor's Signature                | _____<br>Date   |
| <u>Tolga Acar</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

|                                  |   |
|----------------------------------|---|
| _____<br>Inventor's Signature    | _____<br>Date   |
| _____<br>Josh Benaloh            | _____<br>Printed Name in Native Language (if<br>other than English) |
| _____<br>Printed Name in English |   |


|                                  |   |
|----------------------------------|---|
| _____<br>Inventor's Signature    | _____<br>Date   |
| _____<br>Niels Thomas Ferguson   | _____<br>Printed Name in Native Language (if<br>other than English) |
| _____<br>Printed Name in English |   |

|                                  |   |
|----------------------------------|---|
| _____<br>Inventor's Signature    | _____<br>Date   |
| _____<br>Carl M. Ellison         | _____<br>Printed Name in Native Language (if<br>other than English) |
| _____<br>Printed Name in English |   |

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|   |   |
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| _____<br>Inventor's Signature                   | _____<br>Date   |
| <u>Mira Belenkiy</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

|  |   |
|--|---|
| <br>_____<br>Inventor's Signature | <u>18 FEB 2009</u><br>_____<br>Date                                 |
| <u>Duy Lan Nguyen</u><br>Printed Name in English   | _____<br>Printed Name in Native Language (if<br>other than English) |

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| _____<br>Inventor's Signature                | _____<br>Date   |
| <u>Tolga Acar</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

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|                                |  |
|--------------------------------|--|
| <u>Inventor's Signature</u>    | <u>Date</u>  |
| <u>Josh Benaloh</u>            |  |
| <u>Printed Name in English</u> | <u>Printed Name in Native Language (if other than English)</u> |

|                                |  |
|--------------------------------|--|
| <u>Inventor's Signature</u>    | <u>Date</u>  |
| <u>Niels Thomas Ferguson</u>   |  |
| <u>Printed Name in English</u> | <u>Printed Name in Native Language (if other than English)</u> |

|                                |  |
|--------------------------------|--|
| <u>Carl M. Ellison</u>         | <u>10 Feb 09</u>   |
| <u>Inventor's Signature</u>    | <u>Date</u>  |
| <u>Carl M. Ellison</u>         |  |
| <u>Printed Name in English</u> | <u>Printed Name in Native Language (if other than English)</u> |

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|---|--|
| <br>Inventor's Signature | <u>2/9/2009</u><br>Date  |
| <u>Mira Belenkiy</u><br>Printed Name in English   | <br>Printed Name in Native Language (if<br>other than English) |

|  |  |
|--|--|
| <br>Inventor's Signature                         | <br>Date   |
| <u>Duy Lan Nguyen</u><br>Printed Name in English | <br>Printed Name in Native Language (if<br>other than English) |

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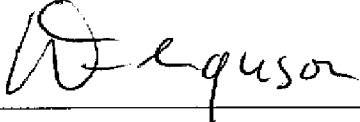
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| _____<br>Inventor's Signature                  | _____<br>Date   |
| <u>Josh Benaloh</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

|  |   |
|--|---|
| <br>_____<br>Inventor's Signature | <u>2009-02-09</u><br>_____<br>Date                                  |
| <u>Niels Thomas Ferguson</u><br>Printed Name in English  | _____<br>Printed Name in Native Language (if<br>other than English) |

|   |   |
|---|---|
| _____<br>Inventor's Signature                     | _____<br>Date   |
| <u>Carl M. Ellison</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

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|---|---|
| _____<br>Inventor's Signature                   | _____<br>Date   |
| <u>Mira Belenkiy</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

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| _____<br>Inventor's Signature                    | _____<br>Date   |
| <u>Duy Lan Nguyen</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

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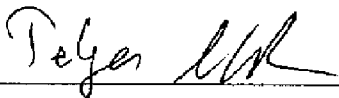
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|   |   |
|---|---|
|  | <u>2/11/2009</u>  |
| Inventor's Signature  | Date  |
| <u>Tolga Acar</u>   |   |
| Printed Name in English   | Printed Name in Native Language (if other than English) |

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MS Docket No.: 325866.01

John Bernick

**Inventor's Signature**

Feb. 9, 2009

Date \_\_\_\_\_

**Josh Benaloh**

Printed Name in English

Printed Name in Native Language (if other than English) \_\_\_\_\_

**Inventor's Signature**

Date \_\_\_\_\_

Niels Thomas Ferguson

Printed Name in English

Printed Name in Native Language (if other than English)

**Inventor's Signature**

Date \_\_\_\_\_

**Carl M. Ellison**

Printed Name in English

Printed Name in Native Language (if other than English)

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| _____<br>Inventor's Signature                   | _____<br>Date   |
| <u>Mira Belenkiy</u><br>Printed Name in English | _____<br>Printed Name in Native Language (if<br>other than English) |

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