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| SUBMISSION TYPE | : | NEW ASSIGN | NEW ASSIGNMENT | | |
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| NATURE OF CONVE | EYANCE: | ASSIGNMEN | ASSIGNMENT | | |
| CONVEYING PARTY | Y DATA | | | | |
| | | Name | | Execution Date | |
| Steven N. Bathiche | | | | 12/06/2007 | |
| Jon Marcus Randall | Whitten | | | 12/07/2007 | |
| John Mark Miller | | | | 12/13/2007 | |
| Matthew B. MacLau | rin | | | 12/10/2007 | |
| Boyd C. Multerer | | | | 12/10/2007 | |
| James M. Alkove | | | | 12/10/2007 | |
| Zachary Lewis Russ | ell | | | 02/07/2008 | |
| Eric P. Wilfrid | | | | 12/12/2007 | |
| Bret P. O'Rourke | | | | 02/06/2008 | |
| Oliver R. Roup | | | | 12/11/2007 | |
| City: | One Microsoft Way Redmond | | | | |
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| State/Country: Postal Code: | WA 98052-6399 | | | | |
| PROPERTY NUMBE | | | | | |
| Property ⁻ | Гуре | | Number | | |
| Application Number | : | 13588147 | | | |
| CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence will</i> <i>via US Mail.</i> | 509944 509-324 Lynne@ | | hat is unsuccessful, it t | will be sent | |
| Correspondent Name | e: Lee & H | layes, PLLC | | | |
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| | de Ave, Suite 1400 SHINGTON 99201 |
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| ATTORNEY DOCKET NUMBER: | MS1-4630USC1 |
| NAME OF SUBMITTER: | Lynne Mahan |
| Total Attachments: 12 source=VC9510#page1.tif source=VC9510#page2.tif source=VC9510#page3.tif source=VC9510#page4.tif source=VC9510#page5.tif source=VC9510#page6.tif source=VC9510#page7.tif source=VC9510#page9.tif source=VC9510#page9.tif source=VC9510#page10.tif source=VC9510#page12.tif | |

WE, STEVEN N. BATHICHE, JON MARCUS RANDALL WHITTEN, JOHN MARK MILLER, MATTHEW B. MACLAURIN, BOYD CANNON MULTERER, JAMES M. ALKOVE, ZACHARY LEWIS RUSSELL, ERIC P. WILFRID, BRET P. O'ROURKE, AND OLIVER R. ROUP ("ASSIGNORS"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "AUGMENTED REALITY AND FILTERING" ("APPLICATION"), which:

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 9th Street, Cleveland, Ohio 44114, who are associated with customer number 27195, to insert here in parenthesis (U.S. Serial No. <u>11/966, 926</u> filed <u>12/28/2007</u>) this APPLICATION'S U.S. Serial Number and filing date, when known;

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| 12/6/2007 | Ateven Darhene |
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| DATE | STEVEN N. BATHICHE |
| DATE | JON MARCUS RANDALL WHITTEN |
| DATE | JOHN MARK MILLER |
| DATE | MATTHEW B. MACLAURIN |
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Decemba 10,2007 **BOYD CANNON MULTERER** DATE JAMES M. ALKOVE DATE ZACHARY LEWIS RUSSELL DATE DATE ERIC P. WILFRID BRET P. O'ROURKE DATE **OLIVER R. ROUP** DATE

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| DATE | JOHN MARK MILLER |
| DATE | MATTHEW B. MACLAURIN |
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BOYD CANNON MULTERER

JAMES M. ALKOVE

ZACHARY LEWIS RUSSELL

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BRET P. O'ROURKE

OLIVER R. ROUP

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JON MARCUS RANDALL WHITTEN

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JOHN MARK MILLER

MATTHEW B. MACLAURIN

PATENT REEL: 028804 FRAME: 0474

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| DATE | BOYD CANNON MULTERER |
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| DATE | JAMES M. ALKOVE |
| DATE | Zaly Z. Mull ZACHARY-LEWIS-RUSSELL |
| DATE | ERIC P. WILFRID |
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| DATE | BRET P. O'ROURKE |
| DATE | OLIVER R. ROUP |
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PATENT REEL: 028804 FRAME: 0475

Page 2 of 2

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JON MARCUS RANDALL WHITTEN

JOHN MARK MILLER

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MATTHEW B. MACLAURIN

PATENT REEL: 028804 FRAME: 0476

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| DATE | BOYD CANNON MULTERER |
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| DATE 12/12/07 DATE | ZACHARY LEWIS RUSSELL |
| DATE | BRET P. O'ROURKE |

DATE

OLIVER R. ROUP

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MS Docket No. MS321442.01 (OC Docket No. MSFTP1971US)

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RECORDED: 08/17/2012