

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT OF LICENSING RIGHTS | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | E.O. COMMUNICATION FUND, LLC | 11/20/2018 |
| RECEIVING PARTY DATA | | |
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| PROPERTY NUMBERS Total: 3 | | |
| Property Type | Number | |
| Patent Number: | 6574239 | |
| Patent Number: | 8266296 | |
| Patent Number: | 8291010 | |
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| DATE SIGNED: | 04/07/2020 | |
| Total Attachments: 4 | | |
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ASSIGNMENT OF LICENSING RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, E.O. Communication Fund, LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("*Assignor*"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 103 LLC, a Delaware limited liability company, with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("*Assignee*"), all of Assignor's right and interest in and to the following (collectively, the "*Assigned Licensing Right(s)*"):

(a) the exclusive right to license the patents and patent applications listed in the table below (the "*Exclusively Licensed Patent(s)*");

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|---|
| 8291010 ¹ (12/194311) | US | 10/16/2012 (8/19/2008) | Virtual connection of a remote unit to a server ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |
| 8266296 ² (12/272481) | US | 9/11/2012 (11/17/2008) | Application-Layer Evaluation of Communications Received by a Mobile Device ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |
| 6574239 ³ (09/167698) | US | 6/3/2003 (10/7/1998) | Virtual connection of a remote unit to a server ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |
| 10/335821 | US | 1/2/2003 | Virtual connection of a remote unit to a server ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |

¹ Rights transferred hereunder exclude any scope falling within claims 8-75 of US Patent No. 6574239.

² Rights transferred hereunder exclude any scope falling within claims 8-75 of US Patent No. 6574239.

³ Rights transferred hereunder only as to claims 1-7 of US Patent No. 6574239.

| <u>Patent/ Application Number</u> | <u>Country</u> | <u>Issue Date/ Filing Date</u> | <u>Title of Patent and Inventors</u> |
|---------------------------------------|----------------|------------------------------------|---|
| 10/335609 | US | 1/2/2003 | APPLICATION-PROGRAM-TARGETED PUSH MESSAGING WITH USER INTERACTIVE FILTERING ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |
| 10/920507 | US | 8/18/2004 | Virtual connection of a remote unit to a server ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |
| 10/920817 | US | 8/18/2004 | Application-layer evaluation of communications received by a mobile device ERIC MORGAN DOWLING; MARK NICHOLAS ANASTASI |

(b) any future reissues, reexaminations, extensions, continuations, continuing prosecution application, requests for continuing examinations, divisions, and registrations of any of the Exclusively Licensed Patents;

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STATE OF WASHINGTON)
)ss.
COUNTY OF KING)

On November 20, 2018, before me, Janice L. Goebel, Notary Public in and for said State, personally appeared Rexy Alegrato, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

Janice L. Goebel

Notary Public, State of Washington

My Commission expires: February 09, 2019

