

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT		
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INTELLECTUAL VENTURES I LLC			12/10/2018
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Property Type	Number		
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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures I 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 101 LLC, a Delaware limited liability company with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("**Assignee**"), all of Assignor's right, title, and interest in and to the following (collectively, the "**Assigned Patent Rights**"):

(a) the patents and patent applications listed in the table below (the "**Patents**");

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
6834192 (09/609632)	US	12/21/2004 (7/3/2000)	METHOD, AND ASSOCIATED APPARATUS, FOR EFFECTUATING HANDOVER OF COMMUNICATIONS IN A BLUETOOTH, OR OTHER, RADIO COMMUNICATION SYSTEM Phong Nguyen; Takako Sanda; Fujio Watanabe
AT333739 (AT01943724.3)	AT	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system WATANABE FUJIO; NGUYEN PHONG; SANDA TAKAKO
DE60121597.4 (DE60121597.4)	DE	7/19/2006 (6/26/2001)	Method and arrangement for forwarding information in a radio transmission system NGUYEN PHONG; WATANABE FUJIO; SANDA TAKAKO

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventors</u>
ES1305916 (ES01943724.3)	ES	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
FR1305916 (FR01943724.3)	FR	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
GB1305916 (GB01943724.3)	GB	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG
IT1305916 (IT502006901458074)	IT	7/19/2006 (6/26/2001)	Method and apparatus for performing handover of communications in a radio communication system SANDA TAKAKO; WATANABE FUJIO; NGUYEN PHONG

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

(c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and

(d) causes of action and enforcement rights of any kind under, or on account of, any of the Patents and/or any of the items described in either of the foregoing categories (b) or (c),

including, without limitation, all causes of action, enforcement rights and all other rights to seek and obtain any other remedies of any kind for past, current and future infringement.

Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all future patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein. This Assignment of Patent Rights will inure for the benefit of any permitted successors or assigns of Assignee.

Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed on 10 DEC, 2018, to be effective as of 12 November 2018.

ASSIGNOR:

Intellectual Ventures I LLC

By: [Signature]

Name: Rocky Adornato

Title: Authorized Person

STATE OF WASHINGTON)
)ss.
COUNTY OF KING)

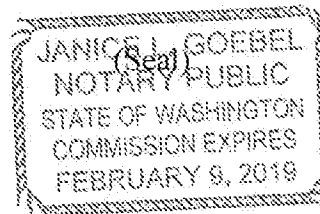
On Dec 10, 2018, before me, Janice L. Goebel, Notary Public in and for said State, personally appeared Rocky Adornato, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed 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 [Signature]

Notary Public, State of Washington

My Commission expires: Feb. 09, 2019



ASSIGNEE:

Intellectual Ventures Assets 101 LLC

By: _____

Name: Rocky Adornato

Title: Authorized Person

STATE OF WASHINGTON)

)ss.

COUNTY OF KING)

On Dec 10, 2019, before me, Janice L Goebel, Notary Public in and for said State, personally appeared Rocky Adornato, 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 _____

Notary Public, State of Washington

My Commission expires: Feb 09, 2019

