PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SONY CORPORATION	07/01/2020

RECEIVING PARTY DATA

Name:	SONY NETWORK COMMUNICATIONS EUROPE B.V.
Street Address:	TAURUSAVENUE 16
City:	HOOFDDORP
State/Country:	NETHERLANDS
Postal Code:	2132 LS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16819060

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NAME OF SUBMITTER:	ROSS M. KOWALSKI
SIGNATURE:	/Ross M. Kowalski/
DATE SIGNED:	05/25/2021

Total Attachments: 4
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ASSIGNMENT

(I) **WHEREAS,** SONY CORPORATION, a corporation organized and existing under the laws of Japan, with offices at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan (hereinafter "Assignor"), has acquired the entire right, title and interest in and to the inventions described in the patents and patent applications (hereinafter "Applications") listed in Enclosure 1.

(II) **WHEREAS,** Sony Network Communications Europe B.V., a corporation organized and existing under the laws of the Netherlands, with offices at Taurusavenue 16, 2132LS Hoofddorp, Netherlands (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, the Applications, and in, to, and under any patent that may be obtained for said inventions, as more fully set forth hereinafter.

(III) **NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN,** be it known that for valuable and legally sufficient consideration from the Assignee, the receipt of which the Assignor hereby acknowledges, the Assignor has assigned and transferred, and hereby does assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the inventions and the Applications, and all patents that may issue for the inventions, and all divisions, reissues, substitutions, continuations, continuations-in-part, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of Assignee, its successors and assigns for the full term, including any term extensions, of any and all of said patents that may issue, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made.

(IV) **FURTHER,** be it known that the Assignor has assigned, and transferred, and hereby does assign, and transfer unto the Assignee, its successors and assigns: (1) the entire foreign rights to the inventions disclosed in the Applications, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and of the European Patent Convention, and (2) the right to claim the benefit of priority from the Applications in all foreign countries in accordance with Paris Convention Article 4A(1) or as otherwise required by any national or international authority.

(V) **FURTHER,** Assignor does hereby covenant and agree that: (1) they have full right to convey the entire right, title, and interest assigned herein; (2) they have not executed, and will not execute, any agreement(s) in conflict herewith; and (3) this assignment is binding on Assignor and Assignor's heirs, successors, assigns, and legal representatives.

(VI) **FURTHER,** Assignor authorizes and requests that all national and international authorities issue to the Assignee all patents relating to the invention in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the undersigned has hereunto set her hand and seal on the date after her signature.

ASSIGNOR,

SONY CORPORATION:

Signature: _____

Name: Masayoshi Doshida

Position: General Manager, Planning & Control Department, Intellectual Property Division

Date: July 1, 2020

ASSIGNEE,

Sony Network Communications Europe B.V.:

Signature: _____

Name: Jun Watanabe

Position: Chairman

Date: September 24, 2020

ENCLOSURE 1

List of patent/patent applications:

Reference	Country Name	Application No	Publication No
PS11 0077CN1	China	201180069431.8	103430512
PS11 0077EP1	European Patent	11723626.5	2700210
PS11 0077US1	United States of America	13/496976	20120268244
PS11 0077WO1	International Patent-PCT	PCT/IB11/000867	WO12143743
PS11 0078CN1	China	201180069432.2	103430513
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PS11 0078US1	United States of America	13/496961	20120268239
PS11 0078WO1	International Patent-PCT	PCTIB11000872	WO12143744
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PS11 1343US2	United States of America	15/085329	20160212509
PS11 1343WO1	International Patent-PCT	PCTIB2012000256	WO13121238
PS12 1474CN1	China	201480014124.3	105009550
PS12 1474DE1	Germany	14711322.9	
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PS12 1474NL1	Netherlands	14711322.9	
PS12 1474US1	United States of America	13/795424	20130210360
PS12 1474US2	United States of America	PCTJP14000712	
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PS13 0071CN1	China	201480033862.2	105379365
PS13 0071DE1	Germany	14168226.0	2814290
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PS13 0071WO1	International Patent-PCT	PCTJP14002520	WO14199561
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PS14 0211EP1	European Patent	14720710.4	3129928
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PS16 0292US1	United States of America	16/500,938	
PS16 0292WO1	International Patent-PCT	PCT/EP2017/058136	WO2018184676A1
PS16 0294EP1	European Patent	EP17165069.0	
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PS16 0294WO1	International Patent-PCT	PCT/EP2018/056102	WO2018184790
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PS17 0220SE1	Sweden	1850506-5	
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PS15 0495EP1	European Patent	15 820 630.3	3 391 312
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PS16 0082EP1	European Patent	16170554.6	3246725
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