

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5998806

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	505896366
CONVEYING PARTY DATA	
Name	Execution Date
TAKANORI ISOBE	01/27/2020
HARUNAGA HIWATARI	01/22/2020
ANDREY BOGDANOV	01/10/2020
RECEIVING PARTY DATA	
Name:	SONY CORPORATION
Street Address:	1-7-1, KONAN, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-0075
Name:	TECHNICAL UNIVERSITY OF DENMARK
Street Address:	ANKER ENGELUNDS VEJ 1 BUILDING 101A
City:	KGS. LYNGBY
State/Country:	DENMARK
Postal Code:	2800
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16636169
CORRESPONDENCE DATA	
Fax Number:	(703)935-8473
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	571-313-7556
Email:	mail@paratus.law
Correspondent Name:	PARATUS LAW GROUP, PLLC
Address Line 1:	1765 GREENSBORO STATION PLACE
Address Line 2:	SUITE 320
Address Line 4:	TYSONS CORNER, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	1946-1368

NAME OF SUBMITTER:	DANIEL P. SHIRK
SIGNATURE:	/Daniel P. Shirk/
DATE SIGNED:	03/05/2020
Total Attachments: 3 source=2020-03-05_1946-01368_Assignment#page1.tif source=2020-03-05_1946-01368_Assignment#page2.tif source=2020-03-05_1946-01368_Assignment#page3.tif	

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

SONY CORPORATION

1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan

TECHNICAL UNIVERSITY OF DENMARK

Anker Engelunds Vej 1 Building 101A Kgs. Lyngby 2800 Denmark

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

ENCRYPTION DEVICE, ENCRYPTION METHOD, DECRYPTION DEVICE, AND DECRYPTION
METHOD

relating to International Patent Application PCT/JP2018/020341 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____ / _____

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agrees(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) _____ (Signature)	Takanori ISOBE (Type Name)	Jan 29, 2020 (Date)
2) _____ (Signature)	Harunaga HIWATARI (Type Name)	_____ (Date)
3) _____ (Signature)	Andrey BOGDANOV (Type Name)	_____ (Date)

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

SONY CORPORATION

1-7-1, Konan, Minato-ku, Tokyo 108-0075 Japan

TECHNICAL UNIVERSITY OF DENMARK

Anker Engelunds Vej 1 Building 101A Kgs. Lyngby 2800 Denmark

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

ENCRYPTION DEVICE, ENCRYPTION METHOD, DECRYPTION DEVICE, AND DECRYPTION
METHOD

relating to International Patent Application PCT/JP2018/020341 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____ / _____

Assignee's attorney is hereby authorized to insert in (b) the specified date, when known

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s)

1) _____ (Signature)	Takanori ISOBE (Type Name)	_____ (Date)
2) <u>Harunaga Hiwatari</u> (Signature)	Harunaga HIWATARI (Type Name)	<u>2020/1/22</u> (Date)
3) _____ (Signature)	Andrey BOGDANOV (Type Name)	_____ (Date)

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

SONY CORPORATION

1-7-1, Konan, Minato-ku, Tokyo Japan

TECHNICAL UNIVERSITY OF DENMARK

Anker Engalunds Vej 1 Building 101A Kgs. Lyngby 2800, Denmark

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

ENCRYPTION DEVICE, ENCRYPTION METHOD, DECRYPTION DEVICE, AND DECRYPTION METHOD

relating to International Patent Application PCT/JP2018/020341 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____; (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. _____ / _____

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) _____ (Signature)	<u>Takanori ISOBE</u> (Type Name)	_____ (Date)
2) _____ (Signature)	<u>Harunaga HIWATARI</u> (Type Name)	_____ (Date)
3) <u>A. Bogdanov</u> (Signature)	<u>Andrey BOGDANOV</u> (Type Name)	<u>10 Jan 2020</u> (Date)
4) _____ (Signature)	_____ (Type Name)	_____ (Date)
5) _____ (Signature)	_____ (Type Name)	_____ (Date)
6) _____ (Signature)	_____ (Type Name)	_____ (Date)