# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4803306

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SONY CORPORATION OF JAPAN	01/31/2018

### **RECEIVING PARTY DATA**

Name:	SONY CORPORATION	
Street Address:	1-7-1 KONAN	
Internal Address:	MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	108-0075	

#### **PROPERTY NUMBERS Total: 130**

Property Type	Number
Patent Number:	5617563
Patent Number:	5666312
Patent Number:	5900047
Patent Number:	5907623
Patent Number:	5910995
Patent Number:	5941090
Patent Number:	5968172
Patent Number:	5990581
Patent Number:	6002765
Patent Number:	6021195
Patent Number:	6021499
Patent Number:	6030880
Patent Number:	6032202
Patent Number:	6035217
Patent Number:	6038625
Patent Number:	6045428
Patent Number:	6052750
Patent Number:	6057840
Patent Number:	6058184

PATENT REEL: 045208 FRAME: 0908

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Property Type	Number
Patent Number:	6064734
Patent Number:	6085236
Patent Number:	6100726
Patent Number:	5502670
Patent Number:	5508940
Patent Number:	5515024
Patent Number:	5517432
Patent Number:	5528541
Patent Number:	5537355
Patent Number:	5539462
Patent Number:	5553140
Patent Number:	5572473
Patent Number:	5577228
Patent Number:	6115009
Patent Number:	6128011
Patent Number:	6131129
Patent Number:	6133938
Patent Number:	6141702
Patent Number:	6148241
Patent Number:	6154206
Patent Number:	6160796
Patent Number:	6163583
Patent Number:	6169725
Patent Number:	6183562
Patent Number:	6188268
Patent Number:	6192139
Patent Number:	6192221
Patent Number:	6202210
Patent Number:	6205185
Patent Number:	6223285
Patent Number:	6230074
Patent Number:	6237049
Patent Number:	6243481
Patent Number:	6243728
Patent Number:	6246720
Patent Number:	6259707
Patent Number:	6271716
Patent Number:	6275865

Property Type	Number
Patent Number:	6282556
Patent Number:	6292187
Patent Number:	6295479
Patent Number:	6301599
Patent Number:	6304132
Patent Number:	6324619
Patent Number:	6330717
Patent Number:	6349352
Patent Number:	6353843
Patent Number:	6363434
Patent Number:	6367032
Patent Number:	6370565
Patent Number:	6374404
Patent Number:	6378024
Patent Number:	6381507
Patent Number:	6384638
Patent Number:	6393578
Patent Number:	6452598
Patent Number:	6452935
Patent Number:	6456892
Patent Number:	6460030
Patent Number:	6463445
Patent Number:	6466614
Patent Number:	6507614
Patent Number:	6519594
Patent Number:	6519657
Patent Number:	6556221
Patent Number:	6563533
Patent Number:	6564286
Patent Number:	6615293
Patent Number:	6625813
Patent Number:	6643715
Patent Number:	6658201
Patent Number:	6661466
Patent Number:	6675240
Patent Number:	6684401
Patent Number:	6694349
Patent Number:	6718476

Property Type	Number
Patent Number:	6750869
Patent Number:	6754619
Patent Number:	6757909
Patent Number:	6769070
Patent Number:	6778552
Patent Number:	6779015
Patent Number:	6826699
Patent Number:	6839903
Patent Number:	6907301
Patent Number:	6915263
Patent Number:	6957029
Patent Number:	6963784
Patent Number:	7039814
Patent Number:	7058179
Patent Number:	7065288
Patent Number:	7085480
Patent Number:	7146007
Patent Number:	7151885
Patent Number:	7219224
Patent Number:	7293115
Patent Number:	7319951
Patent Number:	7330884
Patent Number:	7406706
Patent Number:	7412538
Patent Number:	7890989
Patent Number:	8296805
Patent Number:	8725582
Application Number:	09779482
Application Number:	09802773
Application Number:	09809578
Application Number:	09823428
Application Number:	09854021
Application Number:	09972371
Application Number:	08196038
Application Number:	09401045

## **CORRESPONDENCE DATA**

Fax Number:

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.

**Phone:** 858-942-2897

**Email:** carrie.merzbacher@sony.com

Correspondent Name: CARRIE MERZBACHER
Address Line 1: 16535 VIA ESPRILLO

Address Line 2: MS 1029

Address Line 4: SAN DIEGO, CALIFORNIA 92127

NAME OF SUBMITTER: CARRIE MERZBACHER

SIGNATURE: /Carrie Merzbacher/

**DATE SIGNED:** 01/31/2018

**Total Attachments: 1** 

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#### ASSIGNMENT

In consideration for value received from Assignees to Assignor, **Sony Corporation of Japan**, a corporation of Japan, having a place of business at 1-7-1 Konan, Minato-ku, Tokyo 108 0075, Japan;

hereby sells, assigns, transfers and conveys unto

Sony Corporation, a corporation of Japan, having a place of business at 1-7-1 Konan, Minato-ku, Tokyo 108 0075, Japan;

its successors, assigns and legal representatives (hereinafter called the "Assignees"), the entire right, title and interest, for all countries, in and to any and all improvements which are identified in Exhibit A attached hereto; and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted; upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignees or to such nominees as it may designate.

AND authorizes and empowers the said Assignees or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND hereby covenants that it has the full right to convey the entire right, title and interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

AND hereby covenants and agrees that it will communicate to said Assignees or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignees or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

Sony Corporation of Japan

DATED: / - 3/- /8

Harold T Fuin

Vice President & Chief Patent Counsel

Sony Corporation

DATED: /-3/- 15

Vice President & Chief Patent Counsel

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