504154402 12/27/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKESHI HASHIMOTO	12/19/2016
TETSUO WATANABE	12/19/2016
YASUHIRO FUJITA	12/20/2016
KAZUTOMO FUKUE	12/19/2016
TAKATOMI KUMAGAI	12/20/2016

RECEIVING PARTY DATA

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Postal Code:	330-0081

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15322194

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NAME OF SUBMITTER:	MICHAEL FRISCIA
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DATE SIGNED:	12/27/2016

Total Attachments: 2

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UNITED STATES ASSIGNMENT FROM INVENTOR

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Assignor:

Takeshi HASHIMOTO, Tetsuo WATANABE, Yasuhiro FUJITA, Kazutomo FUKUE, Takatomi KUMAGAI

hereby sells, assigns and transfers to Assignee:

Clarion Co., Ltd., having a business address of 7-2, Shintoshin, Chuo-ku, Saitama-shi, Saitama 330-0081, Japan

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to, and any and all improvements which are disclosed in

(a) Patent Number	dated
(b) Application for Letters Patent Serial No	<u>,</u> filed
(c) Application for Letters Patent which has been herewith and entitled	executed by the undersigned concurrently

SIGNAL PROCESSING DEVICE AND SIGNAL PROCESSING METHOD

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements.

The Assignee may apply for and receive the Letters Patent in its own name. When requested by the Assignee or its successors, the undersigned will execute all other patent applications; proper oaths, assignments; powers of attorney, or other papers and communicate all facts known to it relating to the improvements and the history thereof; and generally do everything possible which the Assignee or its successors shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title in the Assignee or its successors.

Assignor warrants that he/she has the full right to convey the rights and property described herein and no assignment, grant, mortgage or license or other agreement affecting such rights and property has been made to others by the undersigned.

PATENT REEL: 040771 FRAME: 0820

ASSIGNOR

Dated: Dec. 19, 2016

Dated: Dec. 19, 2016

By Tetsuo Watanale
Tetsuo WATANABE

Dated: Dec. 20 ,2016

By Yashiro FUJITA
Yasuhiro FUJITA

Dated: Dec 19, 2016

By <u>Kazutomo Fukue</u> Kazutomo FUKUE

Dated: Dec. 20, 2016

By Takatomi Kumagai
Takatomi KUMAGAI

PATENT REEL: 040771 FRAME: 0821

RECORDED: 12/27/2016