505118251 09/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5165012 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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MASAYUKI SUZUKI	04/11/2017
MITSUHIRO KAWATA	04/11/2017
JUNICHI ITO	04/11/2017

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29664962

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SIGNATURE: /Raymond A. DiPerna/

DATE SIGNED: 09/28/2018

Total Attachments: 3

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PATENT 505118251 REEL: 047009 FRAME: 0307

	or: [x] U.S. and/or [] Foreign Rights
	or: [] U.S. Application or [] U.S. Provisional Application
ri,	or: [] U.S. Patent
	or: [] PCT Application
	y: Multiple Inventors
	ON (MULTIPLE INVENTORS)
In consideration of the payment by ASSIGNE the receipt of which is hereby acknowledged, and	E to ASSIGNOR of the sum of One Dollar (\$1.00), for other good and valuable consideration,
ASSIGNORS (Inventors):	
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Practitioner's Docket No. UD 053080-1

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Nationality

PATENT

Added pa	ige(s) for s	ignature by subsequent	inventors. Number of pages added	
(if assignment is by parson or entity to whom invention was previously assigned and this was recorded in PTO, add the following)				
Recorde	d on		ReelFrame	
hereby sells, ASSIONEE	assigns ar	nd transfers to		
OKI DATA	CORPOR	ATION_	11-22 Shibaura 4-chome	
(type or print n			Address	
Japanese Nationality			Minato-ku, Tokyo, Japan	
	iccessors,	assigns and legal repres	sentatives of the ASSIONEE .	
			z one of the following)	
[x] the entire right, title and interest [] an undivided percent (%) right, title and interest for the United States and its territorial possessions (check the following box, if foreign rights are also to be assigned)				
[]		ements which are disclo	cluding all rights to claim priority, in and to any and all osed in the invention entitled:	
Name of i		Hisatoshi SAITO	Masayuki SUZUKI Mitsuhiro KAWATA	
		(check and complete	e (a), (b), (c), (d), (e), (f) or (g))	
(a) (b) (c)		Not yet filed U.S. pate Not yet filed U.S. prov above-entitled inventic [] To comply wi ASSIGNOR s to insert below become know	th 37 C.F.R. 3.21 for recordal of this assignment, I, an igning below, hereby authorize and request my attorney with filing date and application number when they in.	
(d) (e) (f)	[x] []	filed on April 5, 2017 International application U.S. patent no. A change of a	on no. PCT//	

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(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Hisatoshi SAITO	Hiparoshi Sairo	2017-4-11	
(type name of Assignor)	Signature of ASSIGNOR	this date of signing	
Masayuki SUZUKI	Masayuki Luzuki	2017-4-11	
(type name of Assignor)	Signature of ASSIGNOR	this date of signing	
Mitsuhiro KAWATA (type name of Assignor)	Mitruhire Kawata Signature of ASSIGNOR	2017-4-11 this date of signing	
Junichi ITO (type name of Assignor)	Signature of ASSIGNOR	$\frac{2 \cdot 17 - 4 - 11}{\text{date of signing}}$	
(type name of Assignor)	Signature of ASSIGNOR	date of signing this	
(if ASSIGNOR is a legal e	unity, complete the following information)		
	(type or print the name of the authorized to sign on behal	(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)	
	Title		

NOTE:

No wintessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facte evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.

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RECORDED: 09/28/2018