PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Takashi Kyono	11/01/2010
Yohei Enya	11/01/2010
Yusuke Yoshizumi	11/03/2010
Katsushi Akita	11/01/2010
Masaki Ueno	11/01/2010
Takamichi Sumitomo	11/02/2010
Masahiro Adachi	11/03/2010
Shinji Tokuyama	11/03/2010

RECEIVING PARTY DATA

Name:	Sumitomo Electric Industries, Ltd.
Street Address:	5-33, Kitahama 4-chome, Chuo-ku
City:	Osaka-shi, Osaka
State/Country:	JAPAN
Postal Code:	541-0041

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12837248

CORRESPONDENCE DATA

Fax Number: (202)344-8300

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-344-4000

Email: anpayne@venable.com

Correspondent Name: Venable LLP/Michael A. Sartori, Ph.D.

Address Line 1: P.O. Box 34385

Address Line 4: Washington, DISTRICT OF COLUMBIA 20043-9998

ATTORNEY DOCKET NUMBER: 87136-289283
PATENT

501346643 REEL: 025343 FRAME: 0959

12837248

CH \$40,00

NAME OF SUBMITTER:	Michael A. Sartori, Ph.D.
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

PATENT REEL: 025343 FRAME: 0960

ASSIGNMENT

	Whereas, I/we,		
	<u>Name</u>	Address	
		do fiami Works of Sumitomo Electric Industries, Ltd.,	• -
1)	Takashi KYONO	1-1, Koyaklia 1-chome, Itami-shi, Hyogo 664-0016 Japan	
		c/o Hami Works of Sumitomo Electric Industries, Ltd.,	
2) —	Yohel ENYA	1-1, Koyakita 1-chome, Itami-shi, Hyogo 664-0016 Japan	
		do Ilami Works of Sumilumo Elertric Industries, I. ld.,	
3) —	Yusuke YOSHIZUMI	1-1, Koyakila 1-chome, Itami-shi, Hyogo 664-0016 Japan	
		c/o Itami Works of Sumitomo Electric Industries, Ltd.,	
4) 	Katsushi AKITA	1-1, Koyakita 1-chome, ItemI-shi, Hyogo 664-0016 Japan c/o Itami Works of Sumitomo Electric Industries, Ltd.,	
E١	Manaki (IENO		
O)	Masaki UENO	1-1, Koyakila 1-chome, Itami-shi, Hyogo 664-0016 Japan	
		c/o (lami Works of Sumitomo Electric Industries, Ltd.,	
6)	Takamichi SUMITOMO	1-1, Koyakita 1-chome,	
		Itami-shi, Hyogo 664-0016 Japan clo Osaka Works of Sumitomo Electric Industries, Ltd.,	
71	Masahiro ADACHI		
7)	Magaillo Adachi	1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan	
		c/o Osaka Works of Sumitomo Electric Industries, Ltd.,	
8)	Shinji TOKUYAMA	1-3, Shimaya 1-chome, Konohana-ku, Osaka-shi, Osaka 554-0024 Japan	
an oti	nerwise indicated below:	ers Patent of the United States of America therefor on every July 15, 2010 Serial No. 12/837248	
	filed on Whereas	July 15, 2010 , Serial No. 12/837248	; and
	SUMITOMO ELECTRIC IND 5-33, Kitahama 4- Osaka-shi, Osaka	chome, Chuo-ku,	
		541-0041 Japan	
	ssignee), desires to acquire the el lents to be obtained therefor;	541-0041 Japan ntire right, title and interest in the application and invention	, and to any United States
	tents to be obtained therefor; NOW THEREFORE, be it known	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne	e, the receipt of which is
	lents to be obtained therefor; NOW THEREFORE, be it knownessy acknowledged, I/WE, as ass	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, at	e, the recelpt of which is nd do hereby sell, assign,
tra	lents to be obtained therefor; NOW THEREFORE, be it knowned the second the se	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, at gnee, its lawful successors and assigns, MY/OUR entire rig	e, the receipt of which is nd do hereby sell, assign, ht, title, and interest in and to
tra lhi wh	lents to be obtained therefor; NOW THEREFORE, be it knowned to be it knowned; whereby acknowledged, I/WE, as assumment, and set over unto the assign invention and this application, and the may be granted thereon, and	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, argues, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relssues thereof; and I/WE hereby authorize and reque	e, the receipt of which is nd do hereby sell, assign, ht, title, and interest in and to Palent of the United States st the Commissioner of
tra thi wh Pa	lents to be obtained therefor; NOW THEREFORE, be it knowned to be it knowned; whereby acknowledged, I/WE, as assumment, and set over unto the assign invention and this application, a nich may be granted thereon, and thents and Trademarks of the Unit	ntire right, title and interest in the application and invention own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, as onee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall reissues thereof; and I/WE hereby authorize and requested States to issue all Letters Patent for this invention to as	e, the receipt of which is nd do hereby sell, assign, ht, title, and interest in and to Palent of the United States st the Commissioner of
tra thi wh Pa	tents to be obtained therefor; NOW THEREFORE, be it knowned by acknowledged, I/WE, as assummer, and set over unto the assign sinvention and this application, and thereon, and thereon and trademarks of the Unit signs, in accordance with the term	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, arguee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relssues thereof; and I/WE hereby authorize and requeed States to issue all Letters Patent for this invention to as of this Assignment;	e, the receipt of which is nd do hereby sell, assign, ht, title, and interest in and to Palent of the United States at the Commissioner of signee, its successors and
tra thi wh Pa	tents to be obtained therefor; NOW THEREFORE, be it knowned to the it knowned to the it knowned to the it knowned to the assign serious and set over unto the assign serious and this application, and the may be granted thereon, and tents and Trademarks of the Unit signs, in accordance with the term AND, IWE HEREBY further of	ntire right, title and interest in the application and invention own that, for good and valuable consideration from assigned signor(s), have sold, assigned, transferred, and set over, at ginee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relssues thereof; and I/WE hereby authorize and reque led States to issue all Letters Patent for this invention to as ms of this Assignment;	e, the receipt of which is nd do hereby sell, assign, ht, title, and interest in and to Palent of the United States st the Commissioner of signee, its successors and
tra thi wh Pa as as	lents to be obtained therefor; NOW THEREFORE, be it knowned the second that the second that the	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, arguee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relasues thereof; and I/WE hereby authorize and reque led States to issue all Letters Patent for this invention to as ms of this Assignment; covenant and agree that I/WE will, without further consideration, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the	e, the receipt of which is and do hereby sell, assign, ht, title, and interest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal at may be necessary or
tra lhi wh Pa as as prode	lents to be obtained therefor; NOW THEREFORE, be it knowned the second of the assignment of the unit of the assignment of the unit of the assignment of the unit of the assignment of the assign	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, arguee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relasues thereof; and I/WE hereby authorize and reque ted States to issue all Letters Patent for this invention to as ans of this Assignment; covernant and agree that I/WE will, without further considerate, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the ovention in said assignee, its successors and assigns, execute and deliver all papers the ovention in said assignee, its successors and assigns, execute and deliver all papers the ovention in said assignee.	ne, the receipt of which is and do hereby sell, assign, ht, title, and interest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal at may be necessary or cute all divisional,
trathin which has as as prode co	lents to be obtained therefor; NOW THEREFORE, be it knowned to the assignment of the unit of the assignment of the unit of the assignment of the unit of the assignment of th	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, arguee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relasues thereof; and I/WE hereby authorize and reque led States to issue all Letters Patent for this invention to as ans of this Assignment; Exoveriant and agree that I/WE will, without further considerant, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the threatien in said assignee, its successors and assigns, exemps, make all rightful oaths and generally do everything pos	ne, the receipt of which is and do hereby sell, assign, hit, title, and interest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal nat may be necessary or cute all divisional, sible to aid assignee, its
tratilities that the same as produced the same as produced the same as produced the same as the same a	lents to be obtained therefor; NOW THEREFORE, be it knowned a considered and set over unto the assigns invention and this application, a nich may be granted thereon, and atents and Trademarks of the Unit signs, in accordance with the term AND, I/WE HEREBY further a company it is successors and assignee, its successors and assigneeding, sign all lawful papers we strable to perfect the tille to this in nitinuation, and reissue application and reissue applicati	ntire right, title and interest in the application and invention, own that, for good and valuable consideration from assigne signor(s), have sold, assigned, transferred, and set over, arguee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall relasues thereof; and I/WE hereby authorize and reque ted States to issue all Letters Patent for this invention to as ans of this Assignment; covernant and agree that I/WE will, without further considerate, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the ovention in said assignee, its successors and assigns, execute and deliver all papers the ovention in said assignee, its successors and assigns, execute and deliver all papers the ovention in said assignee.	e, the receipt of which is and do hereby sell, assign, ht, title, and inferest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal at may be necessary or cute all divisional, sible to aid assignee, its e United States, it being
tra Ihi wh Pa as as pr de co su un	lents to be obtained therefor; NOW THEREFORE, be it knowned a considered acknowledged, I/WE, as assummer, and set over unto the assigns invention and this application, a nich may be granted thereon, and atents and Trademarks of the Unit signs, in accordance with the term AND, I/WE HEREBY further of signee, its successors and assign acceding, sign all lawful papers we sirable to perfect the IIIIe to this in ntinuation, and reissue application coessors and assigns, to obtain a derstood that any expense incide signs.	own that, for good and valuable consideration from assigned signor(s), have sold, assigned, transferred, and set over, at the property of the lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters is all releases thereof; and I/WE hereby authorize and requested States to Issue all Letters Patent for this invention to as ans of this Assignment; covernant and agree that I/WE will, without further considerant, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the entire in said assignee, its successors and assigns, exemps, make all rightful oaths and generally do everything postent to the execution of such papers shall be borne by the assign to the execution of such papers shall be borne by the assign to the execution of such papers shall be borne by the assign to the execution of such papers shall be borne by the assign to the successors and assigns.	e, the receipt of which is and do hereby sell, assign, hit, title, and inferest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal and may be necessary or cute all divisional, sible to aid assignee, its e United States, it being ssignee, its successors and
tratilities that the same as produced the same as produced the same as produced the same as the same a	lents to be obtained therefor; NOW THEREFORE, be it knowned acknowledged, I/WE, as assummer, and set over unto the assigns invention and this application, and the may be granted thereon, and atents and Trademarks of the Unit signs, in accordance with the term AND, I/WE HEREBY further casignee, its successors and assigneeding, sign all lawful papers wastrable to perfect the title to this in ntinuation, and reissue application coessors and assigns, to obtain a derstood that any expense incide signs. INVENTORS	own that, for good and valuable consideration from assigned signor(s), have sold, assigned, transferred, and set over, at gnee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall reissues thereof; and I/WE hereby authorize and requeted States to issue all Letters Patent for this invention to as ms of this Assignment; covenant and agree that I/WE will, without further considerate, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the threating in said assignee, its successors and assigns, exemps, make all rightful oaths and generally do everything posend enforce proper patent protection for this invention in the out to the execution of such papers shall be borne by the as	e, the receipt of which is not do hereby sell, assign, hit, title, and inferest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with itestify in any legal nat may be necessary or cute all divisional, sible to aid assignee, its e United States, it being ssignee, its successors and
tratilities that the same as produced the same as produced the same as produced the same as the same a	lents to be obtained therefor; NOW THEREFORE, be it knowned acknowledged, I/WE, as assummer, and set over unto the assigns invention and this application, and the may be granted thereon, and atents and Trademarks of the Unit signs, in accordance with the term AND, I/WE HEREBY further casignee, its successors and assigneeding, sign all lawful papers wastrable to perfect the title to this in ntinuation, and reissue application coessors and assigns, to obtain a derstood that any expense incide signs. INVENTORS	own that, for good and valuable consideration from assigned signor(s), have sold, assigned, transferred, and set over, at gnee, its lawful successors and assigns, MY/OUR entire right all divisions, and continuations thereof, and all Letters Fall reissues thereof; and I/WE hereby authorize and requeted States to issue all Letters Patent for this invention to as ms of this Assignment; covenant and agree that I/WE will, without further considerate, any facts known to ME/US respecting this invention and then called upon to do so, execute and deliver all papers the threating in said assignee, its successors and assigns, exemps, make all rightful oaths and generally do everything posend enforce proper patent protection for this invention in the out to the execution of such papers shall be borne by the as	e, the receipt of which is and do hereby sell, assign, hit, title, and inferest in and to Palent of the United States at the Commissioner of signee, its successors and alion, communicate with I testify in any legal and may be necessary or cute all divisional, sible to aid assignee, its e United States, it being ssignee, its successors and

(Legalization not required for recording but is prima facle evidence of execution under 35 U.S.C. § 261)

Page 1 of 2

PATENT

REEL: 025343 FRAME: 0961

2):	Yolei Enya	Nov. (, 2010
Name:	Yohel ENYA	
3):	Jusuke Yoshizumi	10v. 3,2010
Name:	Yusuke YOSHIZUMI	1
4):	Katsushi akita	Nov. 1, 2010
Name:	Kataushi AKITA	
5):	Masaki Neno	NO11, 2010
Name:	Masaki UENO	
6):	Takamichi Suntrano	Mov 2, 20/8
Name:	Takamichi SUMITOMO	
?):	marchi Adachi	Noy.3, 2010
Name:	Masahiro ADACHI	
8):	Shinji Tokuyama	Nov. 3, 2010
Name:	Shinji TOKUYAMA	