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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Keisuke Aramaki	01/25/2007
Satoru Sugita	01/25/2007
Hiraku Akiho	02/02/2007

RECEIVING PARTY DATA

Name:	Sony Chemical & Information Device Corporation	
Street Address:	Gate City Osaki East Tower 8F, 1-11-2, Osaki, Shinagawa-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	141-0032	

Name:	Sony Corporation	
Street Address:	7-35, Kitashinagawa 6-chome, Shinagawa-ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	141-0001	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12367424

CORRESPONDENCE DATA

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PATENT REEL: 022221 FRAME: 0645

500775149

ATTORNEY DOCKET NUMBER:	KOIKE-01901
NAME OF SUBMITTER:	Jonathan O. Owens
Total Attachments: 2 source=Assignment_02_06_09#page1.tif source=Assignment_02_06_09#page2.tif	

PATENT REEL: 022221 FRAME: 0646

ASSIGNMENT

WHEREAS, WE, Keisuke ARAMAI "ASSIGNORS", have invented certain new and useful improve States Letters Patent:	KI, Satoru SUGITA, and Hiraku AKIHO hereinafter referred to as ements as described and set forth in the below-identified application for United
Title of Invention:	
Date of execution of application:	Filing Date: Serial No.:
Tower 8F, 1-11-2, Osaki, Shinagawa-ku, Tokyo 141-00 Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-00	DEVICE CORPORATION, a Japanese corporation, Gate City Osaki East 032 Japan., and SONY CORPORATION, a Japanese corporation, 7-35, 001 Japan.
and interest in said invention and application and in any Letter	nafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title s Patent which may be granted on the same;
which is hereby acknowledged, Assignors have sold, assigned Assignee, and Assignee's successors and assigns, all right, title Patent, and any Letters Patent which may hereafter be granted any Letters Patent which may hereafter be granted any Letters Patent which may have a representations in whole or in part sub-	ONCERN: Be it known that, for good and valuable consideration, receipt of and transferred, and by these presents do sell, assign and transfer unto said and interest in and to said invention, said application for United States Letters on the same in the United States and all countries throughout the world including stitutions, conversions, reissues, prolongations or extensions thereof, said interest ely as it would have been held and enjoyed by said Assignors had this assignment titers Patent.
prosecution of said application and/or applications, execute, v	ge to said Assignee, but at Assignee's expense, cooperate with Assignee in the crify, acknowledge and deliver all such further papers, including applications for ssignment and transfer thereof, and will perform such other acts as Assignee said invention and improvement in any and all countries, and to vest title thereto in
IN TESTIMONY WHEREOF, Assignors have here	eunto signed their names to this assignment on the dates indicated below.
Keisuka Aramaki	25 January 2007
Name: Keisuke ARAMAKI	Bate /
Name: Satory SUGITA	25 January 2007 Date
Name: Satoru SUGITA	Date
Name: Hiraku AKIHO	Date
STATE OF	
COUNTY OF	
On before me,	s of satisfactory evidence to be the person(s) whose names are subscribed to
personally known to me - OR - proved to me on the basis	s of satisfactory evidence to be the person(s) whose names are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ics), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
	WITNESS my hand and official seal.
SEAL	Signature of Notary Public

PATENT REEL: 022221 FRAME: 0647

ASSIGNMENT

WHEREAS, WE, Keisuke ARAMAKI "ASSIGNORS", have invented certain new and useful improvem States Letters Patent:	, Satoru SUGII ents as described	A, and Hiraku and set forth in t	AKIHO hereinafter referred to as he below-identified application for United
Title of Invention: ANTENNA APPARATUS			
Date of execution of application:	Filing Date:	:	Serial No.:
WHEREAS, SONY CHEMICAL & INFORMATION D. Tower 8F, 1-11-2. Osaki, Shinagawa-ku, Tokyo 141-003 Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-000 phereina	2 Japan., and S I Japan., her referred to as	ONY CORPO - ASSIGNEE". i:	s desirous of acquiring the entire right, title
and interest in said invention and application and in any Letters I			
NOW THEREFORE, TO ALL WHOM IT MAY CON which is hereby acknowledged, Assignors have sold, assigned an Assignee, and Assignee's successors and assigns, all right, title a Patent, and any Letters Patent which may hereafter be granted or any divisions, renewals, continuations in whole or in part, substitute to be held and enjoyed by said Assignee as fully and exclusively and transfer not been made, to the full end and term of any Lette	nd transferred, and nd interest in and n the same in the tutions, conversion as it would have rs Patent.	l by these presen to said invention United States and ns, reissues, pro been held and en	ats do sell, assign and transfer unto said n, said application for United States Letters d all countries throughout the world including longations or extensions thereof, said interest njoyed by said Assignors had this assignment
Assignors further agree that they will, without charge prosecution of said application and/or applications, execute, veri Letters Patent and for the reissue thereof, and instruments of assi lawfully may request, to obtain or maintain Letters Patent for sai said Assignee, or Assignee's successors and assigns.	fy, acknowledge gnment and trans	and deliver all st fer thereof, and v	ich further papers, including applications for will perform such other acts as Assignee
IN TESTIMONY WHEREOF, Assignors have bereun	ito signed their ni	ames to this assig	gnment on the dates indicated below.
Name: Keisuke ARAMAKI			Date
Name: Satoru SUGITA			Date
Hirabu Abiho		J. 7	ep. 2007 Date
Name: Hiraku AKIHO		(Date
STATE OF			
On			
personally appeared proved to me on the basis of	f satisfactory evid	ence In he the ne	erson(s) whose names are subscribed to
El personally known to mo - o'k - El proved to me on our raise	same in his/her. signature(s) on	ument and ackno their authorized the instrument th	owledged to me that he/she/they executed the capacity(ies), and that by his/her/their ne person(s), or the entity upon behalf of ated the instrument.
	WITNESS my	hand and official	I seal.
SEAL		Signature	of Notary Public

PATENT REEL: 022221 FRAME: 0648

RECORDED: 02/06/2009