09-17-2003



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

FORM PTO-1595

Atty Docket No.:

238261US2

1-31-92

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): Teruo IMAYAMA and Tsuneo SUZUKI Name: KABUSHIKI KAISHA TOSHIBA Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan Additional name(s) of conveying party(ies) attached? ☐ Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Change of Name ☐ Security Agreement ☐ Other Execution Date: September 2, 2003 Additional name(s) and address(es) attached? Tyes No 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 10/445,248 Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Eckhard H. Kuesters Name of Person Signing Joseph A. Scafetta, Jr. Registration Number: 28,870 Registration No. 26,803 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to:

00000090 10445248 16/2003 BTDM11

FC:8021

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

PATENT

REEL: 014485 FRAME: 0606

Page 1 of 2

Assignment of Application

ERT NAMES	WHEREAS, I (WE) Teruo IMAYAMA of Kanagawa-ken, Japan			
O RESIDENCE ORESS OF	Tsuneo SUZI	UKI of Kanagawa-ken, Japa	ın	
INVENTORS:				
				, respectively
ERT TITLE OF	have invented certain new and use	eful improvements in: REC	EIVER FOR WEAK RADIO WAVE	•
ENTION:				
ERT DATE PENTORS SIGNED CLARATION:	For which an application for Lette	ers Patent was executed on	September 2, 2003	
	(Application No. 10/445,248	, filed	May 27, 2003), and
ERT NAME	WHEREAS, KABUSHIKI I	KAISHA TOSHIBA		
D ADDRESS OF MPANY OR HER ASSIGNEE	(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo,			

(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

10/01

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	September 2, 2003	Jeruo Imayoma
Date: _	September 2, 2003	(Signature of Inventor) Teruo ĬMAYAMA Tsuneo Suzuki (Signature of Inventor) Tsuneo SUZUKI
Date:		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:	A	(Signature of Inventor)
Date:		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

10/01

RECORDED: 09/12/2003

PATENT REEL: 014485 FRAME: 0608