09-15-2004



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	Form PTO-1595 (Rev. 03/01) 102771:	G.O. DE PARTIE OF COMMENTAL OF			
. \	OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof				
10	Name of conveying party(ies):	2. Name and address of receiving party(ies)			
	Osamu Ogawa	0			
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	Additional name(s) of conveying party(ies) Yes X No	5-5, Keihan-hondori 2-Chome Mortguchi City,			
	3. Nature of Conveyance:	5-5, Keinan-hondoл 2-Chome Mortguchi City, Osaka 570-8677, Japan			
	X Assignment Merger				
	Execution Date: October 3, 2003	Additional name(s) & x Yes No address(es) attached:			
	4. Application number(s) or patent number(s): 2 9	<i>'</i>			
	If this document is being filed together with a new application, the execution date of the new application is: October 3, 2003				
	A. Patent Application No.(s): This application	B. Patent No.(s):			
	Additional numbers attached? Yes X No				
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:1			
	Name: Melvin C. Garner DARBY & DARBY P.C.	7. Total fee (37 CFR 3.41) \$ 40.00			
	Internal Address: Atty. Dkt.: 04176/0200077-US0	x Englosed			
	Street Address: P.O. Box 5257	Authorized to be charged to deposit account			
10/23/2003 DT	ESSEM1 00000038 29192000	Authorized to be charged to credit card			
02 FC:8021	40.00 OP	(Form 2038 enclosed)			
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	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.				
	Melvin C. Garner - 26,272	O 12 0000			
	Name of Person Signing	October 16, 2003 Signature Date			
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Additional Conveying Party(ies) (1. Continued):				
Additional Ass	ignees (2. Continued);			
Assignee Name:	e: Sanyo Telecommunications Co., Ltd.			
Internal Address:				
Street Address:	1-1, Sanyo-Cho, Daito City Osaka 574-8534, Japan			
Assignee Name:				
Internal Address:				
Street Address:				
City:	State:	Zip Code:		
Assignee Name:				
Internal Address:				
Street Address:				
Cibr	State:	Zip Code:		
Oity.	Side,	Zip Code:		
Additional Applications and/or Patents (4. Continued):				
Additional Patent A 4A. Continued:	pplication Numbers	Additional Patent Numbers 4B. Continued:		
Additional numbers attached? Yes No				

Docket No.: 04176/0200077-US0

REEL: 015132 FRAME: 0353

Docket No. 4176/0200077-US0

ASSIGNMENT

I, Osamu OGAWA, a citizen of Japan, residing at 1-12-11, Izumi-cho, Daito-city, Osaka, Japan;

(hereinafter called "ASSIGNOR") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to me by

SANYO Electric Co., Ltd.

a corporation organized under the laws of Japan, located at 5-5, Keihanhondori 2-Chome, Moriguchi-City, Osaka 570-8677, Japan; and

SANYO Telecommunications Co., Ltd.

a corporation organized under the laws of Japan, located at 1-1, Sanyo-Cho, Daito-City, Osaka 574-8534, (hereinafter called the "ASSIGNEES"), do hereby sell and assign to said ASSIGNEES, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to my invention entitled:

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invented by me, as a co-inventor if other inventors are identified above, and described for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being my entire ownership interest in said Letters Patent when granted, to be held and enjoyed by said ASSIGNEES, its successors, assigns or other legal representatives, 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 and enjoyed by me if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEES;

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And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEES.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

DATED: October 3, 2003

Osamu Ogawa OSAMU OGAWA

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