04-14-2003



	PATENTS ONLY	 THE WINDWIN	Our File No. 9281-4541		
	TO		TENTS		
	3 - 31 - 3 TO THI TENTS 102419160 Please record the attached original document or copy thereof.				
	Names of Parties conveying ar		Name and Address of Party receiving an interest:		
	Kenichi Yo Akio Tada	koo ichi	Name: ALPS Electric Co., Ltd. Internal Address: Street Address: 1-7 Yukigaya, Otsuka-cho City: Ota-ku, Tokyo State/Zip: Japan		
	Additional name(s) of conveying pa	Yes No	Additional name(s) and addresses attached? ☐ Yes ☒ No		
	Description of the interest conv Assignment	eyed: Change of Name	Other:		
	Security Agreement	☐ Merger			
	Execution Date: March 14, 2003 Application number(s) or patent number(s). Additional sheet attached? If this document is being filed together with a new application, the execution date of the application is: March 14, 2003 Date				
	Date Patent Application No.(s) Patent No.(s)		Patent No.(s)		
10 403549		}			
	Additional numbers attached? ☐ Yes ☒ No				
	5. Name and address of party to		6. Number of applications and patents involved: 1		
	concerning document should b		7. Total fee (37 CFR 3.41) \$40		
	P.O. BOX 10395	ţ			
	CHICAGO, IL 606	10	 Authorized to be charged to Deposit Account No. 23-1925 		
	(312)321-4200		8. Please charge any deficiencies in fee or credit		
			any overpayment to Deposit Account No. 23-		
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	Statement and cignature				
	Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached cor				
}	copy of the original document.				
}	Gustavo Siller, Jr., Reg. No. 32,305 Name of Person Signing Signature 3 / 3 / 5 / Date				
ļ					
	Total number of pages including cover sheet, attachments, and documents. 3				
- 1	Total number of pages including cover sheet, attachments, and document: 3				

Rev. Oct-97

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PATENT REEL: 013938 FRAME: 0091

ASSIGNMENT

WHEREAS. Kenichi Yokoo and Akio Tadachi

hereinafter called the "Assignors", have made the invention described in the United States patent application entitled POWER LINE COMMUNICATION MODEM CAPABLE OF SIMULTANEOUSLY SUPPLYING POWER AND EXCHANGING DATA

executed by Assignors on the same date as this Assignment;

WHEREAS, ALPS ELECTRIC CO., LTD., a corporation organized and existing under the laws of Japan, having a place of business at 1-7 Yukigaya, Otsukacho, Ota-ku, Tokyo, Japan, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

PATENT REEL: 013938 FRAME: 0092 The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:	March 14, 2003	Kenichi Yokoo
		Inventor: Kenichi Yokoo
WITNE	SSED:	
DATE:	March 14, 2003	Takashi Toyoshima
DATE:	March 14, 2003	Hirokazu Higuchi
DATE:	March 14, 2003	Akio Tadachi
WITNES	SSED:	Inventor: Akio Tadachi
DATE:	March 14, 2003	Takashi Toyoshima
DATE:	March 14, 2003	Hirokazu Higuchi
DATE:		
		Inventor:
WITNES	SSED:	
DATE:		
DATE:		

RECORDED: 03/31/2003

PATENT REEL: 013938 FRAME: 0093