Docket No.: OKI.348 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE 06-28-2002 (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) Patent and Trademark Office P08A/REV03 Tab settings → → 102138337 To the Honorable Commissioner of Pate.... attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): 6-19-02 HAKAMADA, Shinichi Name: OKI ELECTRIC INDUSTRY CO., LTD. Address: 7-12, TORANOMON 1-CHOME, MINATO-KU. Additional names(s) of conveying party(ies) ☐ Yes 🛛 No 3. Nature of conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name City: TOKYO State/Prov.: ☐ Other Country: JAPAN ZIP: Execution Date: JUNE 13, 2002 Additional name(s) & address(es) ☐ Yes X No 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: **JUNE 13, 2002** Patent Application No. Filing date B. Patent No.(s) **JUNE 19, 2002 NEW** 06/25/2002 MWOLDER1 00000035 10173944 04 FC:581 40.00 DP ☐ Yes 🏻 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: ADAM C. VOLENTINE 7. Total fee (37 CFR 3.41):....\$ 40.00 ☑ Enclosed - Any excess or insufficiency should be 33289 Registration No. credited or debited to deposit account Address: VOLENTINE FRANCOS, PLLC ☐ Authorized to be charged to deposit account 12200 SUNRISE VALLEY DRIVE, SUITE 150 8. Deposit account number: 50-0238 State/Prov.: VA City: **RESTON** (Attach duplicate copy of this page if paying by deposit account) ___ ZIP: 20191 Country: U.S.A. 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. JUNE 19, 2002 ADAM C. VOLENTINE Date Signature Name of Person Signing Total number of pages including cover sheet, attachments, and Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments PATENT

REEL: 013023 FRAME: 0598

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHERE	AS Shir	ichi HAKAI	MADA				
hereinafter referred to collectively as the assignor, has invented a certain improvement							
relating to	SAW DEV.	LCE					
instrument; said	d application ation having	to be filed in been filed in _authorization	n the United the United on being he	States Patent States Patent reby given to n	and Trademark and Trademark ny attorneys, Re	: Office on, symond C. Jone	es and
Adam C. Vole 20191, to inse	entine of VC rt here in pa	LENTINE F arentheses	RANCOS,P (Application	LLC, , 12200 \$ Serial No.	Sunrise Vally Dr	rive Suite 150, R) I	leston, Virginia the application
serial number of	of said applic	ation when I	known;				
[] said application having been filed under the Patent Cooperation Treaty on, Serial No.), the United States of America being designated.							
Serial No.)			, the U	rnited States of	America being	designated.	
AND WHE	REAS Oki	Electric Ind	ustry Co., Li	d.	Tokyo, Japan		
application, inc all patents whice NOW THI valuable considers said assignor in the full and excontinuations to including any successors and and continuation including any advantages in a patents when a benefit of said the said assign AND said successors or a successors or a said all renewal AND said and all renewal AND	luding any ach may be gray be gration paid ereby assigned and all rend assigns, to the sample assigned, are granted, including assigned, are granted, including assigned, are granted, including assigned	and all division anted therefore there is and is said as and in and to sawals, reissue and the sawals, reissue and the sawals, reissue and the sawals, reissue and and assignment and assignment and prolong authorizes and all acts and all acts and all acts and all acts authorizes are said and and and and and and and acts and and and acts and and and acts and and and acts and and acts and and acts and and acts acts and and acts acts and and acts acts acts acts acts acts acts acts	ons and confor, including for and in signee to sitransfers to nterest in a aid invention uses and process and process and process and process and process to perfore relating to the and requestion and and and requestion and and and requestion and and and requestion and and and and and and and and and an	tinuations there any and all reconsideration aid assigner, to said appropriate and any and the same appropriate and any and the same and any and the same and any and the ang and any and the ang and any and the ang and any and any and any and any	reof, and in and in enewals, reissue of One Dollar the receipt of w, and said assig plication, included all patents whereof; said as aid application, all patents wheof, with all the adduring the terms and prolongations, in as amprequest of said rothe asserting the asserting the asserting the asserting the asserting the asserting the trothe asserting the property of the the proper	title and interest to said inventions and prolongat (\$1.00), and othich is hereby a pree's successor and any and all hich may be grassignee, and saincluding any anich may be gravious thereof, for any beneficial assignee, or said patents and Tradents and Tradents thereof, are with.	n and any and tions thereof; ther good and acknowledged, is and assigns, i divisions and anted therefor, aid assignee's and all divisions anted therefor, privileges and in y and all such or the use and all a manner as in made. aid assignee's and assignee's including any
	EXECUTE	D,	June	/3		_, 2002.	
WITNESS:				ASSIGNOR:			
Signature:	no a	Le:	ada-	Signature: _	Shinich	i Hakamad	la_
Signature:	Maran			-	Shinichi HAK	KAMADA	

VOLENTINE FRANCOS, PLLC

RECORDED: 06/19/2002

PATENT REEL: 013023 FRAME: 0599