To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:		
1. Name of conveying party(ies): 1) Ching-Yu CHANG 2) Wei-Ming CHUNG 1-7-02	2. Name and address of receiving party(ies): Name: Macronix International Co., Ltd. Internal Address:	700000 /or
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	Street Address: No. 16, Li-Hsin Road., Science- based Industriaal Park	
Execution Date: August 8, 2001, August 10, 2001	City: Hsin-Chu State or Area: Taiw Zip/Postal Code: Country: R.O.C. Additional name(s) & address(es) attached? Yes X1	
/2002 MABDI1 00000035 10036362 Additional numbers att	ached? □ Yes ☒ No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: LOWE HAUPTMAN GILMAN & BERNER (22429) Internal Address: Street Address: 1700 Diagonal Road, Suite 310	 6. Total number of applications and patents involved: 1 7. Total fec (37 CFR 3.41)	1
City: Alexandria, Virginia 22314	8. Deposit account number: 07-1337	
9. Statement and signature. To the best of my knowledge and helief, the foregoing informati the original document. Benjamin J. Hauptman Reg. No. 29,310 Name and Registration No. of Person Signing	onlis true and correct and any attached copy is a true copy of January	ate

Docket No.:

	<u>ASS</u>	SIGNMENT		
	In consideration of the premises and other good and value	uable consideration in hand paid, the receipt and sufficiency of which is		
here	by acknowledged, the undersigned,			
(1)	Ching-Yu CHANG	(4)		
(2)	Wei-Ming CHUNG	(5)		
(3)		(6)		
who	has made a certain new and useful invention, hereby sells,	, assigns and transfers unto		
	MACRONIX INTERNATIONAL CO., LTD),		
its s	uccessors and assigns (hereinafter designated "ASSIGNEE	") the entire right, title and interest for the United States of America as		
defi	ned in 35 U.S.C. 100 in the invention entitled			
ME	THOD FOR PITCH REDUCTION			
[a]	for which an application for United States Letters Patent was filed on, and identified by United States Serial No.; or			
[b]	for which an application for United States Letters Pate	ent was executed on,		
and	the undersigned hereby authorizes and requests the United	States Commissioner of Patents and Trademarks to issue any and all		
Unit	ed States Letters Patent which may be granted therefor and	any and all extensions, divisions, reissues, continuations, or		
continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to				
		ors, assigns and legal representatives; the undersigned agrees that the		
atto	neys of record in said application shall hereafter act on bel	nail of said ASSIGNEE;		
succ base and	essors, assigns and legal representatives, and without furth	ent of the United States, upon request of the said ASSIGNEE, its ner remuneration, in and to any improvements, and applications for patent and to execute any papers by the said ASSIGNEE, its successors, assigns all protection and title in and to the invention hereby transferred.		
	INVENTORS	DATE SIGNED		
<u>(1)</u>	Name: Ching-Yu CHANG	Aug 10200/		
(2)	Name: Wei-Ming CHUNG			
(3	Name:			
(4	Name:			
(5	Name:			

RECORDED: 01/07/2002

PATENT **REEL: 012442 FRAME: 0832**