	Form PTO-1595 (Rev. 10/02)			U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office			
	OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇔ ⇔ ♥	, 103141	1206	V V V			
\sim		of Patents and Trademarks:	Please record the atta	ached original documents or copy thereof.			
Ź	Name of conveying party(ies):		1	ddress of receiving party(ies)			
\mathcal{Z}	Hirofumi KAWASHIMA		Name: Pi	edek Technical Laboratory			
19.13.0			Internal Addr	ress:			
,	Additional name(s) of conveying party(les)	attached? Yes X No	·				
	3. Nature of conveyance:						
	X Assignment Security Agreement	Merger Change of Name	Street Addre	ss: 1-44-1, Kamitakada			
				Nakano-ku			
	Other		City: Toky	Japan o State: Zip: 164-0002			
	Execution Date: DECEMBER	4, 2005	Additional name	e(s) & address(es) attached? Yes X No			
	4. Application number(s) or paten	t number(s):	<u> </u>				
	If this document is being filed to	ogether with a new appli	cation, the execut	tion date of the application is: $12/04/05$			
	A. Patent Application No.(s)		B. Patent No	o.(s)			
	E Nome and address of next to	Additional numbers att		********************************			
	Name and address of party to vectorsconcerning document should be		o. Total number	of applications and patents involved:			
	Name: BRUCE I	. ADAMS	7. Total fee (37 (CFR 3.41)\$\frac{40.00}{}			
	Internal Address:		X Enclosed				
				ed to be charged to deposit account			
	SDENBOB1 00000004 11301530			EFICIENCY IN ENCLOSED FEE			
05 FC:8021	Street Address.	WILKS	8. Deposit acco	unt number: 01-0268			
	SUITE	231					
	City: <u>NEW_YORK_</u> State: <u>NY</u>	Zip: 10004					
	DO NOT USE THIS SPACE						
	9. Signature	-		, C			
	BRUCE L. ADAMS		198 L. 4	DECEMBER 13, 2005			
	Name of Person Signin	-	Signature	Date			
	Total nu	mber of pages including cove	r sheet, attachments,	and documents: 3			

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

REEL: 017367 FRAME: 0982

ASSIGNMENT

WHEREAS, I, Hirofumi Kawashima, residing at c/o
Piedek Technical Laboratory, 1-44-1, Kamitakada, Nakano-ku,
Tokyo, 164-0002, Japan, have invented new and useful improvements
in an METHOD FOR MANUFACTURING QUARTZ CRYSTAL UNIT AND ELECTRONIC
APPARATUS HAVING QUARTZ CRYSTAL UNIT, for which I have prepared
an application for Letters Patent of the United States of
America;

AND WHEREAS, Piedek Technical Laboratory, a Japanese corporation located and doing business at 1-44-1, Kamitakada, Nakano-ku, Tokyo, 164-0002, Japan, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor;

> PATENT REEL: 017367 FRAME: 0983

invention, application and Letters Patent to be held and enjoyed by Piedek Technical Laboratory, its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment, sale and transfer not been made.

AND, I hereby covenant and agree that I will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and I hereby authorize and request the Honorable Commissioner of Patents and Trademarks to issue the said Letters Patent to the said Piedek Technical Laboratory in accordance with this assignment.

	Executed	this 4th	day	of	December	,	2005	at
	Tokyo		b.915	•				
Witness:			Hi	rof	Hkway Gumi Kawashima		(L.£	5.)

December 4, 2005

RECORDED: 12/13/2005