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FORM PTO-1619A

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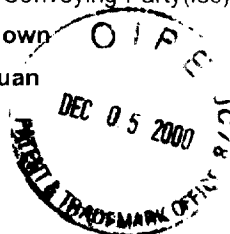
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

(Rev. 6-99)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

<p>1. Submission Type</p> <p><input checked="" type="checkbox"/> New</p> <p><input type="checkbox"/> Resubmission (Non-Recordation) Document ID # _____</p> <p><input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____</p> <p><input type="checkbox"/> Corrective Document Reel # _____ Frame # _____</p>	<p>2. Name of Conveying Party(ies):</p> <p>WU, Jingshown LIU, Shen-luan</p>  <p>Additional Name(s) of conveying party(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Name and Address of Receiving Party(ies)</p> <p>Name: <u>National Science Council</u></p> <p>Street Address: <u>18 Floor, No. 106, Section 2</u> <u>Ho-Pin E. Road</u></p> <p>City: <u>Taipei</u></p> <p>State/Country: <u>TAIWAN</u> Zip: <u>R.O.C.</u></p> <p>Additional name(s) & address(es) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>4. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: <u>11162000; 11172000</u></p>
<p>5. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application,</p> <p><input type="checkbox"/> the first execution date of the application is: _____</p> <p><input checked="" type="checkbox"/> the filing date of the application is <u>12051997</u></p> <p>A. Patent Application No.(s) <u>08991625</u></p> <p>B. Patent No.(s)</p>	
<p>6 Name and address of party to whom correspondence concerning this matter should be mailed:</p> <p>CUSTOMER NUMBER 00136</p> <p>or</p> <p>JACOBSON, PRICE, HOLMAN & STERN, F.L.L.C. 400 Seventh Street, N.W. Washington, DC 20004 Tel: 202-638-6666</p> <p>Attorney Docket No. <u>P63484US0</u></p>	<p>7. Number of applications and patents <input type="text" value="1"/></p> <p>8. Total fee (37 CFR 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to deposit account <u>06-1358</u></p>
<p>DO NOT USE THIS SPACE</p>	
<p>10. Statement and Signature.</p> <p>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.</p> <p>John C. Holman 22,769 <i>John C. Holman</i> December 5, 2000</p> <p>_____ Name of Person Signing/ Reg. # Signature Date</p> <p>Total number of pages excluding cover sheet: <input type="text" value="1"/></p>	

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____

FOUR-QUADRANT MULTIPLIER

The PATENT RIGHTS referred to in this agreement are: *(check one)*

- a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- U.S. patent application Serial No. 08/991,625 filed 12/05/1997
- a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____ if, know)
- U.S. patent No. _____ issued _____

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are: *(check one)*

- U.S. patent rights only.
- Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is: (Name of Assignee) NATIONAL SCIENCE COUNCIL (Address) 18 floor, No. 106, Sec. 2, Ho-Pin E. Road, Taipei, R.O.C.

The ASSIGNEE is: *(check one)*

- An Individual. A Partnership. A Corporation of _____
(specify state or country) (other) Research institute

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns: a) the full and exclusive right to the invention; b) the entire right, title and interest in and to the PATENT RIGHTS; c) the right to sue and recover for any past infringement, and, d) the right to claim priority under 35 USC 119 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, the and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Full name of sole or first inventor	SIGNATURE OF INVENTOR	DATE
JINGSHOWN WU	<i>Jingshoun Wu</i>	NOV. 16, 2000
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Citizenship <i>R.O.C.</i> Post Office Address <i>R.O.S. 107</i>		
Full name of joint inventor, if any	SIGNATURE OF INVENTOR	DATE
<i>Shen Tuen</i>	<i>Shen Tuen</i>	<i>NOV. 16, 2000</i>
Residence.....		
Citizenship.....R.O.C.... Post Office Address.....		
Full name of joint inventor, if any	SIGNATURE OF INVENTOR	DATE
Residence.....		
Citizenship.....R.O.C.... Post Office Address.....		
Full name of joint inventor, if any	SIGNATURE OF INVENTOR	DATE
Residence.....		
Citizenship.....R.O.C.... Post Office Address.....		
Full name of joint inventor, if any	SIGNATURE OF INVENTOR	DATE
Residence.....		
Citizenship.....R.O.C.... Post Office Address.....		