

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>En-Te Hwu</td><td>07/20/2011</td></tr><tr><td>Hsien-Shun Liao</td><td>07/20/2011</td></tr><tr><td>Ing-Shouh Hwang</td><td>07/20/2011</td></tr></tbody></table>		Name	Execution Date	En-Te Hwu	07/20/2011	Hsien-Shun Liao	07/20/2011	Ing-Shouh Hwang	07/20/2011
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RECEIVING PARTY DATA									
<table border="1"><tr><td>Name:</td><td>Academia Sinica</td></tr><tr><td>Street Address:</td><td>128, Sec. 2, Academia Road, Nan-kang</td></tr><tr><td>City:</td><td>Taipei</td></tr><tr><td>State/Country:</td><td>TAIWAN</td></tr></table>		Name:	Academia Sinica	Street Address:	128, Sec. 2, Academia Road, Nan-kang	City:	Taipei	State/Country:	TAIWAN
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PROPERTY NUMBERS Total: 1									
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Total Attachments: 3 source=70002-253001-Assignment#page1.tif source=70002-253001-Assignment#page2.tif source=70002-253001-Assignment#page3.tif									

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REEL: 026800 FRAME: 0374

ASSIGNMENT

For valuable consideration, we, **En-Te Hwu** of Institute of Physics, Academia Sinica, 128 Sec. 2, Academia Road, Nankang, Taipei, Taiwan (R.O.C.), **Hsien-Shun Liao** of Institute of Physics, Academia Sinica, 128, Sec. 2, Academia Road, Nan-Kang, Taipei, Taiwan (R.O.C.), **Ing-Shouh Hwang** of Institute of Physics, Academia Sinica, 128, Sec. 2, Academia Road, Nan-Kang, Taipei, Taiwan (R.O.C), hereby assign to **Academia Sinica**, a government agency, having a place of business at 128, Sec. 2, Academia Road, Nan-Kang, Taipei, Taiwan (R.O.C.), and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **FRICTION-DRIVEN ACTUATOR**, filed July 13, 2011, and assigned U.S. Serial Number 13/182,023, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known. This assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. We authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 20 July 2011

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