

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Confirmatory Assignment of Patent Rights
CONVEYING PARTY DATA	
Name	Execution Date
Jang-Zern TSAI	12/22/2008
Chin-Chuan LIANG	12/17/2008
RECEIVING PARTY DATA	
Name:	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE
Street Address:	Bldg. 14, 195 Sec. 4, Chung Hsing Road
City:	Chutung, Hsinchu
State/Country:	TAIWAN
Postal Code:	31015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5499147
CORRESPONDENCE DATA	
Fax Number:	(212)619-0276
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2126196000
Email:	sgelline@fkmiplaw.com
Correspondent Name:	Michael J. Marcin, Esq.
Address Line 1:	150 Broadway, Suite 702
Address Line 4:	New York, NEW YORK 10038
ATTORNEY DOCKET NUMBER:	30119/04601
NAME OF SUBMITTER:	Michael J. Marcin
Total Attachments: 6 source=5,499,147#page1.tif source=5,499,147#page2.tif source=5,499,147#page3.tif	

OP \$40.00 5499147

500830358

PATENT
REEL: 022520 FRAME: 0522

source=5,499,147#page4.tif
source=5,499,147#page5.tif
source=5,499,147#page6.tif

CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on this 22 day of Dec., 2008, to ensure that the assignments made effective December 10, 1993 and filed with the United States Patent and Trademark Office, are completed, I [we], the undersigned inventor[s]:

Given Name:	Tsai, Jang-Zern		
Residence:	Jung-Li City	Citizenship:	Taiwan
Mailing Address:	300, Jung-Da Road Jung-Li City, Taoyuan 32001 Taiwan		

Given Name:	Liang, Chin-Chuan		
Residence:		Citizenship:	
Mailing Address:			

hereby sells, assigns, and transfers to Industrial Technology Research Institute with an office at Bldg. 14, 195 Sec. 4, Chung Hsing Road, Chutung, Hsinchu, 31015 Taiwan, R.O.C. ("**Assignee**"), the full extent of its right, title, and interest in and to any and all of the following (collectively, the "**Rights**"):

1. The provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");
2. All inventions claimed or described in any or all of the Patents (collectively, the "**Inventions**");
3. All rights with respect to the Inventions, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Patents ("**Potential Patents**");
4. All reissues, reexaminations, extensions, or registrations of the Patents or Potential Patents;

5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Application, the Patent, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("**Foreign Rights**"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

6. The right to claim priority rights deriving from the Patents;

7. All causes of action and remedies related to any or all of the Patents, the Inventions, Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

8. Any and all other rights and interests arising out of, in connection with, or in relation to the Patents, the Inventions, Potential Patents, or Foreign Rights.

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent</u>
5,499,147 (08/161,283)	US	1993/12/2	Rotary head recording and reproduction apparatus with memory and method of operation which compares a reproduced signal with an original signal.

Assignor will not sign any writing or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, its successors, legal representatives and assigns.

INVENTOR[S]:

Inventor's Name: Tsai, Jang-Zern

Inventor's Signature: _____
(Signature *MUST* be attested)

Jang-Zern Tsai

ATTESTATION

The undersigned person witnessed the signature of Tsai, Jang-Zern to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Tsai, Jang-Zern is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Dec, 22, 2008 to execute the above Assignment of Patent Rights.
3. Tsai, Jang-Zern subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on December 22, 2008 (date)

Signature: *Tang Shu-Han*

Print Name: Tang Shu-Han

5

CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on this 17 day of Dec, 2008, to ensure that the assignments made effective December 10, 1993 and filed with the United States Patent and Trademark Office, are completed, I [we], the undersigned inventor[s]:

Given Name:	Tsai, Jang-Zern		
Residence:		Citizenship:	
Mailing Address:			

Given Name:	Liang, Chin-Chuan		
Residence:	Hsin - Chu	Citizenship:	Taiwan
Mailing Address:	1F, No 7, R&D Rd. II Science-Based Industrial Park, Hsin-Chu 300, Taiwan		

hereby sells, assigns, and transfers to Industrial Technology Research Institute with an office at Bldg. 14, 195 Sec. 4, Chung Hsing Road, Chutung, Hsinchu, 31015 Taiwan, R.O.C. ("**Assignee**"), the full extent of its right, title, and interest in and to any and all of the following (collectively, the "**Rights**");

1. The provisional patent applications, patent applications and patents listed in the table below (the "**Patents**");
2. All inventions claimed or described in any or all of the Patents (collectively, the "**Inventions**");
3. All rights with respect to the Inventions, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Patents ("**Potential Patents**");
4. All reissues, reexaminations, extensions, or registrations of the Patents or Potential Patents;

5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Application, the Patent, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("*Foreign Rights*"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

6. The right to claim priority rights deriving from the Patents;

7. All causes of action and remedies related to any or all of the Patents, the Inventions, Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

8. Any and all other rights and interests arising out of, in connection with, or in relation to the Patents, the Inventions, Potential Patents, or Foreign Rights.

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent</u>
5,499,147 (08/161,283)	US	1993/12/2	Rotary head recording and reproduction apparatus with memory and method of operation which compares a reproduced signal with an original signal.

Assignor will not sign any writing or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, its successors, legal representatives and assigns.

INVENTOR[S]:

Inventor's Name: Liang, Chin-Chuan

Inventor's Signature: _____
(Signature *MUST* be attested)

Chin-Chuan Liang

ATTESTATION

The undersigned person witnessed the signature of Liang, Chin-Chuan to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Liang, Chin-Chuan is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on December 1, 2008 to execute the above Assignment of Patent Rights.
3. Liang, Chin-Chuan subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on December 1, 2008 (date)

Signature: Tang Shu-Han

Print Name: Tang Shu-Han

PATENT

RECORDED: 04/08/2009

REEL: 022520 FRAME: 0529