

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mao Bang Electronic Co., Ltd.	07/28/2011

RECEIVING PARTY DATA

Name:	AFLASH TECHNOLOGY CO., LTD.
Street Address:	6F., No. 11, Ln. 17, Sec. 3, Nanshan Rd.
City:	Luzhu Township, Taoyuan County
State/Country:	TAIWAN
Postal Code:	338

PROPERTY NUMBERS Total: 14

Property Type	Number
Application Number:	12908057
Application Number:	12906791
Application Number:	12832765
Application Number:	12780109
Application Number:	12796101
Application Number:	12814458
Application Number:	12832776
Application Number:	12908078
Application Number:	12908090
Application Number:	12796867
Application Number:	13083745
Application Number:	13041669
Application Number:	13041711
Application Number:	13160928

CORRESPONDENCE DATA

501621474

**PATENT
 REEL: 026723 FRAME: 0208**

OP \$560.00 12908057

Fax Number: (703)621-7155
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 7036217140
Email: asc@mg-ip.com
Correspondent Name: Muncy, Geissler, Olds & Lowe, PLLC
Address Line 1: 4000 Legato Rd., Suite 310
Address Line 4: Fairfax, VIRGINIA 22033

ATTORNEY DOCKET NUMBER:	5050/0226M
-------------------------	------------

NAME OF SUBMITTER:	Joe McKinney Muncy
--------------------	--------------------

Total Attachments: 4
source=2011-08-09-Assignment-asfiled#page1.tif
source=2011-08-09-Assignment-asfiled#page2.tif
source=2011-08-09-Assignment-asfiled#page3.tif
source=2011-08-09-Assignment-asfiled#page4.tif

ASSIGNMENT

WHEREAS, **Mao Bang Electronic Co., Ltd.**, a corporation organized and existing under the laws of **Taiwan, R.O.C.**, having a place of business at **6F., No. 11, Lane 17, Sec. 3, Nanshan Rd., Luzhu Shiang, Taoyuan County, 338, Taiwan, R.O.C.**, is the owner of an undivided right, title and interest in and to the following, by previous assignment:

- (1) U.S. Application No. 12/908,057, which was filed on October 20, 2010 for STACKED INTEGRATED CIRCUIT DEVICE;
- (2) U.S. Application No. 12/906,791, which was filed on October 18, 2010 for LAYERED INTEGRATED CIRCUIT APPARATUS;
- (3) U.S. Application No. 12/832,765, which was filed on July 8, 2010 for INTEGRATED CIRCUIT;
- (4) U.S. Application No. 12/780,109, which was filed on May 14, 2010 for FLASH MEMORY;
- (5) U.S. Application No. 12/796,101, which was filed on June 8, 2010 for EASILY STACKABLE DIES;
- (6) U.S. Application No. 12/814,458, which was filed on June 13, 2010 for CHIP FOR RELIABLE STACKING ON ANOTHER CHIP;
- (7) U.S. Application No. 12/832,776, which was filed on July 8, 2010 for CHIP STACKING DEVICE HAVING RE-DISTRIBUTION LAYER;
- (8) U.S. Application No. 12/908,078, which was filed on October 20, 2010 for IMAGE-PROCESSING INTEGRATED CIRCUIT;
- (9) U.S. Application No. 12/908,090, which was filed on October 20, 2010 for METHOD FOR MAKING AN APERTURE IN A CARRIER AND ELECTRICALLY CONNECTING TWO OPPOSITE FACES OF THE CARRIER;
- (10) U.S. Application No. 12/796,867, which was filed on June 9, 2010 for INTEGRATED CIRCUIT CARD;
- (11) U.S. Application No. 13/083,745, which was filed on April 20, 2011 for WAFER-BUMP STRUCTURE;

- (12) U.S. Application No. 13/041,669, which was filed on March 07, 2011 for SILICON CHIP HAVING PENETRATIVE CONNECTION HOLES;
- (13) U.S. Application No. 13/041,711, which was filed on March 07, 2011 for CIRCUIT BOARD PACKAGED WITH DIE THROUGH SURFACE MOUNT TECHNOLOGY; and
- (14) U.S. Application No. 13/160,928, which was filed on June 15, 2011 for MULTI-LAYERED CIRCUIT BOARD DEVICE.

WHEREAS, **AFLASH TECHNOLOGY CO., LTD.**, a corporation organized and existing under and by virtue of the laws of **Taiwan, R.O.C.**, having an office at **6F., No. 11, Ln. 17, Sec. 3, Nanshan Rd., Luzhu Township, Taoyuan County, 338, Taiwan, R.O.C.**, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring an undivided right, title and interest in and to said inventions and in and to any Letters Patent(s) that may be granted therefore in the United States of America;

NOW THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) lawful money of the United States and other valuable considerations, to me in hand paid, the receipt of and sufficiency whereof are hereby acknowledged, the said Mao Bang Electronic Co., Ltd. has sold, assigned and transferred and does hereby sell, assign and transfer unto the said Assignee, its successors and assigns, an undivided right, title and interest in and to the said applications and the inventions therein contained, including all rights of action and damages for past infringement, and including the right to apply for any Letters Patent in the United States of America and in all foreign countries on said inventions and including the right to claim the priority of the date of filing in the United States and any Letters Patents that may issue thereon, or therefore, in the United States and foreign countries and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which said Letters Patents may be issued, to be held and enjoyed by

the said Assignee, its successors and assigns the same as it would have been held and enjoyed by Mao Bang Electronic Co., Ltd., if this assignment and sale had not been made.

AND, Mao Bang Electronic Co., Ltd., hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patents to the said Assignee, in accordance with this instrument of assignment.

Mao Bang Electronic Co., Ltd. hereby represents and warrants that there are no rights or interests outstanding inconsistent with the rights and interests granted herein and that Mao Bang Electronic Co., Ltd. will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and Mao Bang Electronic Co., Ltd. binds itself and its heirs, executors, administrators, employees and legal representatives, as the case may be, to execute and deliver to the said Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the said Assignee, their successors and assigns to file applications for the said improvements and inventions in any country where it may elect to file such applications, and that may be necessary to vest in the said Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

AND, Mao Bang Electronic Co., Ltd. further covenants and agrees, in consideration of the premises, that it, its executors and administrators will, at any time upon request, communicate to the said Assignee, its successors and assigns, any facts relating to the said inventions and improvements and the history thereof, known to it or its successors and assigns, and that it will testify as to the same in any interference or other proceeding when requested to do so by the said Assignee, its successors and assigns.

The undersigned hereby grants Muncy, Geissler, Olds & Lowe, PLLC the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF, I, Mao Bang Electronic Co., Ltd., have hereunto set my hands and seal.



(Signature)

Representative

(Title)

July 28, 2011

(Date)