

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HUNG-HSUEH LIN | 08/27/2018 |
| RECEIVING PARTY DATA | |
| Name: | Winbond Electronics Corp. |
| Street Address: | No. 8, Keya 1st Rd., Daya District, Central Taiwan Science Park |
| City: | Taichung City |
| State/Country: | TAIWAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16117406 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | MUNCY, GEISSLER, OLDS & LOWE, PC |
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| ATTORNEY DOCKET NUMBER: | 0941/3528PUS1 |
| NAME OF SUBMITTER: | JOE MCKINNEY MUNCY |
| SIGNATURE: | /Joe McKinney Muncy/ |
| DATE SIGNED: | 08/31/2018 |
| Total Attachments: 1 | |
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ASSIGNMENT

WHEREAS, Hung-Hsueh LIN
hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements
as described and set forth in the below identified application for United States Letters Patent:

Title: FAST PROGRAMMING METHODS FOR FLASH MEMORY DEVICES

Filed: _____ Serial No. _____

Executed on: _____

WHEREAS, Winbond Electronics Corp. of No. 8 Keya 1st Rd.,
Daya District, Central Taiwan Science Park, Taichung City,
Taiwan, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring
ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent
which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for
good and valuable consideration, receipt of which is hereby acknowledged by Assignor,
Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign
and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their
rights, title and interest in and to the said invention and application and all future
improvements thereon, and in and to any Letters Patent which may hereafter be granted on the
same in the United States, the said interest to be held and enjoyed by said Assignee as fully
and exclusively as it would have been held and enjoyed by said Assignor had this Assignment
and transfer not been made, to the full end and term of any Letters Patent which may be
granted thereon, or of any division, renewal, continuation in whole or in part, substitution,
conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said
Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said
application and/or applications, execute, verify, acknowledge and deliver all such further
papers, including applications for Letters Patent and for the reissue thereof, and instruments
of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may
request, to obtain or maintain Letters Patent for said invention and improvement, and to vest
title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the
date(s) indicated.

Hung-Hsueh Lin
Hung-Hsueh LIN

August 27, 2018
Date