

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| VENKATRAGHAVAN BRINGIVIJAYARAGHAVAN | 06/01/2014 |
| RECEIVING PARTY DATA | |
| Name: | NANYA TECHNOLOGY CORPORATION |
| Street Address: | HWA-YA TECHNOLOGY PARK 669, FUHSING 3 RD., KUEISHAN |
| City: | TAO-YUAN HSIEN |
| State/Country: | TAIWAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14300238 |
| CORRESPONDENCE DATA | |
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| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
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| ATTORNEY DOCKET NUMBER: | TWT03333/US |
| NAME OF SUBMITTER: | JAMES LYNN O'SULLIVAN |
| SIGNATURE: | /James Lynn O'Sullivan/ |
| DATE SIGNED: | 07/07/2014 |
| Total Attachments: 2 | |
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| source=TWT03333US-assignment#page2.tif | |

ASSIGNMENT

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

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. _____, filed _____

a U.S. patent application based on PCT International Application

No. _____ filed on (date) _____ (U.S. patent application
 Serial No. _____, if known).

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) NANYA TECHNOLOGY CORPORATION

(Address) Hwa-Ya Technology Park 669, Fuhsing 3 Rd., Kueishan, Tao-Yuan Hsien,
 Taiwan, R.O.C.

 The ASSIGNEE is:

(check one) An individual.

A Partnership.

A Corporation of TAIWAN, R.O.C. _____ (specify state or country)

(other) _____

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:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

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.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: NANYA TECHNOLOGY CORPORATION
INVENTION TITLE: MEMORY DEVICE

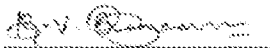
As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE,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

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter 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 ASSIGNOR(S) authorize(s) the attorneys and agents who have the 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.

Venkatraghavan

BRINGIVIJAYARAGHAVAN



06/01/2014

Name of sole or first inventor

Signature

Date

Name of second inventor, if any

Signature

Date

Name of third inventor, if any

Signature

Date

Name of fourth inventor, if any

Signature

Date

Name of fifth inventor, if any

Signature

Date

Name of sixth inventor, if any

Signature

Date