

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HIROYUKI TAKAHASHI	06/29/2009
RECEIVING PARTY DATA	
Name:	NEC ELECTRONICS CORPORATION
Street Address:	1753 SHIMONUMABE, NAKAHARA-KU, KAWASAKI
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	211-8668
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12501705
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NAME OF SUBMITTER:	Eric Jensen
Total Attachments: 1 source=ASSIGNMENT#page1.tif	

OP \$40.00 12501705

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PATENT
 REEL: 022946 FRAME: 0127

ASSIGNMENT

WHEREAS,

Hiroyuki TAKAHASHI

hereafter referred to as "applicant(s)", have invented certain new and useful improvements in

SEMICONDUCTOR MEMORY DEVICE

- (a) for which an application for a United States patent was filed on
July 13, 2009, Application No. 12/501,705,
- (b) for which an application for a United States patent was executed on
June 29, 2009,

WHEREAS, NEC Electronics Corporation,

whose address is 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa 211-8668, Japan,
hereinafter referred to as "assignee(s)", are desirous of acquiring the entire right, title and interest in
and to the same,

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt
whereof is acknowledged, and other good and valuable consideration, applicant(s), by these
presents, do(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to
the said invention in the United States and the entire right, title and interest in and to any and all
patents which may be granted therefore in the United States, for its sole use and behoof, and for
the use and behoof of its legal representatives, to the full end of the term for which said patents
may be granted, as fully and entirely as the same would have been held by applicant(s) had this
assignment and sale not been made.

Applicant(s) hereby authorize(s) and request(s) the Commissioner of Patents and
Trademarks to issue said United States patents to said assignee(s).

Date June 29, 2009,

Hiroyuki Takahashi
(signature) Hiroyuki TAKAHASHI

Date _____,

(signature)

Date _____,
Witnesses;

(signature)

Date June 29, 2009,

Masahiko Fujimura
(signature)

Date June 29, 2009,

Shiro Mura
(signature)