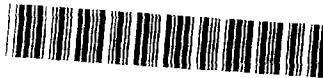


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Masanori Shirahama

2. Name and address of receiving party(ies):

Matsushita Electric Industrial Co., Ltd.
1006-banchi
Oaza-Kadoma
Kadoma-shi
Osaka 571-8501
Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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If this document is being filed together with a new application, the execution date of the application is:

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Name: Douglas P. Mueller
Address: Merchant & Gould P.C.
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Minneapolis, MN 55402-0903



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PATENT
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INSTRUCTIONS

ASSIGNMENT OF U.S. RIGHTS TO CORPORATION

WHEREAS,

Inventor(s) Name,
Address, Citizenship

1. Masanori SHIRAHAMA residing at 138-8-B-401, Hazukashi-Shimizu-cho,
Fushimi-ku, Kyoto-shi, Kyoto 612-8485, JAPAN and a citizen of Japan;

Date Patent Declaration
Signed and Title Serial
No. and filing date (if
known)

(herein called "THE UNDERSIGNED") have made an invention and have
executed an application for Letters Patent of the United States on _____ for
this invention, which application is entitled

SEMICONDUCTOR MEMORY DEVICE

and which has been given Serial Number _____ and the filing
date of _____;

Name of Corporation

AND WHEREAS Matsushita Electric Industrial Co., Ltd.
(herein called "ASSIGNEE"), a corporation organized under the laws of Japan,
and having an office and place of business at 1006-banchi, Oaza-Kadoma,
Kadoma-shi, Osaka 571-8501, JAPAN

State or Country of
Incorporation and Address

wishes to acquire the entire right, title and interest in and to said invention and
patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar and
other good and valuable consideration, the receipt and sufficiency of which is
hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to
the ASSIGNEE, its successors and assigns, the entire right, title and interest for
the United States in and to the invention disclosed in the aforesaid application,
and in and to the said application, all divisions, continuations, or renewals
thereof, all Letters Patent which may be granted therefrom, and all reissues or
extensions of such patents, and THE UNDERSIGNED hereby authorize and
request the Commissioner of Patents to issue any and all United States Letters
Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and
interest in and to the same, for the use of the ASSIGNEE, its successors and
assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors
and legal representatives will make, execute and deliver (without charge but at
the expense of the ASSIGNEE) any and all other instruments in writing including
any and all further application papers, affidavits, assignments and other
documents, and will communicate to said ASSIGNEE, its successors and
representatives all facts known to THE UNDERSIGNED relating to said
invention and the history thereof and will testify in all legal proceedings and
generally do all things which may be necessary or desirable to vest the
ASSIGNEE, its successors or assigns the entire right, title and interest in and to
the said invention, applications, Letters Patent, rights, titles, benefits, privileges
and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE its successors
and assigns, that no assignment grant, mortgage, license or other agreement
affecting the rights and property herein conveyed has been or will be made to
others by THE UNDERSIGNED, and that full right to convey the same as herein
expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Each inventor must sign & date

Masanori SHIRAHAMA
Signature

March 15, 2002
Date

Note: No legalization or other witness required