

08-05-2005



103055700

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Hidechika KAWAZOE (07/20/2005), Yukio TAMAI (07/13/2005), Atsushi SHIMAOKA (07/20/2005), Hidenori MORIMOTO (07/20/2005), and Nobuyoshi AWAYA (07/19/2005)

Execution Date(s): in parentheses after inventor name

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: SHARP KABUSHIKI KAISHA

Internal Address:

Street Address:

22-22, Nagaike-cho, Abeno-ku
Osaka-shi Osaka
545-8522
JAPAN

City:

State:

Country: Zip:

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

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Charles D. Holland
MORRISON & FOERSTER LLP

Internal Address: Atty. Dkt.: 559502004100

Street Address: 755 Page Mill Road

City: Palo Alto

State: CA Zip: 94304-1018

Phone Number: (650) 813-5832

Fax Number: (650) 494-0792

Email Address: CHolland@mofo.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 03-1952
Authorized User Name Charles D. Holland

9. Signature:

Signature

July 27, 2005

Date

Charles D. Holland - 35,196

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

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PATENT
REEL: 016830 FRAME: 0279

112987 U.S. PTO
11/191900



07/27/05

ATTORNEY DOCKET NO.

ASSIGNMENT

Application No. _____

Filed _____

Insert Name(s)
of Inventor(s) →

WHEREAS, Hidechika KAWAZOE

Yukio TAMAI

Atsushi SHIMAOKA

Hidegori MORIMOTO

Nobuyoshi AWAYA

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title
of Invention →

NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND READ METHOD

Insert Date
of Signing of
Application →

on _____; and

Insert Name
of Assignee →

WHEREAS, SHARP KABUSHIKI KAISHA

Insert Address
of Assignee →

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

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IF APPROPRIATE →

☒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assigned and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent

pa-819372

issue thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of **Morrison & Foerster LLP** 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.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Date July 20, 2005, Name of Inventor Hidechika Kawazoe
Hidechika KAWAZOE

Date July 13, 2005, Name of Inventor Yukio Tamai
Yukio TAMAI

Date July 20, 2005, Name of Inventor Atsushi Shimaoka
Atsushi SHIMAOKA

Date July 20, 2005, Name of Inventor Hidekazu Morimoto
Hidenori MORIMOTO

Date July 19, 2005, Name of Inventor Nobuyoshi Awaya
Nobuyoshi AWAYA

Date _____, Name of Inventor _____