

04-12-1999

OMB No. 0651-011 (exp.4/94)

Docket No. YAMAP0621US

To the Honorable Commissioner of Pat



ached original documents or copy thereof.

1. Name of conveying party(ies):

Hiroshi SAKAKIMA
Eiichi HIROTA
Yasuhiro KAWAWAKE
Mitsuo SATOMI
Yasunari SUGITA

101008239

ess of receiving party(ies):

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: _____

Street Address: 1006, Oaza Kadoma,

Kadoma-shi,

City: Osaka

State/Country: Japan

ZIP: 571-8501

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- Assignment [] Merger
- Security Agreement [] Change of Name
- Other _____

Execution Date: January 13, 1999

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

09/228,703

04/07/1999 **WASSAMI** 00000087 09228703

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40.00 00

Additional Numbers attached? [] Yes [X] No

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

Name: Neil A. DuChez, Esq.

Internal Address: RENNER, OTTO, BOISSELLE
& SKLAR, P.L.L.

Street Address: 1621 Euclid Avenue

Nineteenth Floor

City: Cleveland

State: Ohio

ZIP: 44115

6. Total number of applications and patents involved: [1]

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Neil A. DuChez

Name of Person Signing

Signature

April 1, 1999

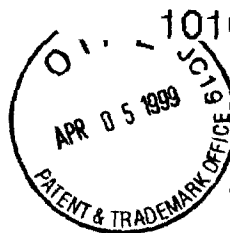
Date

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Washington, D.C. 20231

PATENT
REEL: 9865 FRAME: 0806

4-5-99



ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Hiroshi SAKAKIMA; 3-20-19, Kasumizaka,
Kyotanabe-shi, Kyoto Japan
2. Eiichi HIROTA; 1-26-9, Yamanoue,
Hirakata-shi, Osaka Japan
3. Yasuhiro KAWAWAKE; 34-1-511, Nishihata, Ogura-cho,
Uji-shi, Kyoto Japan
4. Mitsuo SATOMI; 6-52-464, Kisabe,
Katano-shi, Osaka Japan
5. Yasunari SUGITA; 25-3, Mido-cho,
Kadoma-shi, Osaka Japan

has invented and owns a certain invention entitled:

EXCHANGE COUPLING FILM, MAGNETORESISTANCE EFFECT DEVICE,
MAGNETORESISTANCE EFFECTIVE HEAD AND METHOD FOR PRODUCING
EXCHANGE COPULING FILM

for which application for Letters Patent of the United
States was filed on January 12, 1999, and having
Express Mail No. EJ464628885US, and

Whereas, the ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006, Oaza Kadoma, Kadoma-shi,
Osaka 571-8501 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 13th day of January, 1999.

1. Hiroshi Sakakima
(Hiroshi SAKAKIMA)

2. Eiichi Hirota
(Eiichi HIROTA)

3. Yasuhiro Kawawake
(Yasuhiro KAWAWAKE)

4. Mitsuo Satomi
(Mitsuo SATOMI)

5. Yasunari Sugita
(Yasunari SUGITA)