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FORM PTO-1595 (modified)

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IT

U.S. DEPARTMENT OF COMMERCE
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To the Assistant Commissioner for Patents: 1

100823601

ent(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Yoshihiko TSUCHIYAMA, Yuichi FUJIOKA, Toshihiko SETOGUCHI, Katsuhiko SHINODA, Kenji TAGASHIRA, Shigeyasu ISHIGAMI, Yoshinori KOBAYASHI

Additional name(s) of conveying party(ies) attached? NO

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

Name: Mitsubishi Heavy Industries, Ltd.

Street Address: 5-1, Marunouchi 2-chome,
Chivoda-ku, Tokyo, Japan

Additional name(s) & address(es) attached? No

3. Nature of conveyance:

☒ Assignment Merger
Security Agreement Change of Name
Other
Execution Date: July 15, 1998

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: July 15, 1998

A. Patent Application No.(s)

09/140657

B. Patent No.(s)

Additional numbers attached? No

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

Name: WENDEROTH, LIND & PONACK, L.L.P.

Internal Address: Attn: Mr. Nils E. Pedersen

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, D.C. ZIP: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). \$ 40.00

☒ Enclosed [Check No. _____]
☐ Authorized to be charged to deposit account

8. Deposit account number: 23-0975

(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.

Nils E. Pedersen, Reg. No. 33,145

Name of Person Signing

Signature

August 26, 1998

Date

Total number of pages including cover sheet, attachments, and document: 4

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PATENT
REEL: 9419 FRAME: 0531

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Yoshihiko TSUCHIYAMA, Yuichi FUJIOKA,

Toshihiko SETOBUCHI, Katsuhiko SHINODA,

Kenji TAGASHIRA, Shigeyasu ISHIGAMI and

Yoshinori KOBAYASHI

Insert Name(s)
of Assignee(s)

the undersigned hereby sell(s) and assign(s) to

Mitsubishi Heavy Industries, Ltd.

Address

of 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 USC 100, in the invention known as

Title of
Invention

CALCIUM SULFIED OXIDATION METHOD AND APPARATUS

Date of Signing
of Application

for which an application for patent in the United States of America has been executed by the undersigned
on July 15, 1998

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 and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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 firm of WENDEROTH, LIND & PONACK, Southern Building, Suite 700, 805 Fifteenth Street, N.W., Washington, D.C. 20005, 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 United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	July 15, 1998	, Name of Inventor	<u>Yoshihiko Tsuchiyama</u> Yoshihiko Tsuchiyama
Date	July 15, 1998	, Name of Inventor	<u>Yuichi Fujioka</u> Yuichi Fujioka
Date	July 15, 1998	, Name of Inventor	<u>Toshihiko Setoguchi</u> Toshihiko Setoguchi
Date	July 15, 1998	, Name of Inventor	<u>Katsuhiko Shinoda</u> Katsuhiko Shinoda
Date	July 15, 1998	, Name of Inventor	<u>Kenji Tagashira</u> Kenji Tagashira
Date	July 15, 1998	, Name of Inventor	<u>Shigeyasu Ishigami</u> Shigeyasu Ishigami

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Miyuki Etsu

Witness matelanga sonoda

ACKNOWLEDGEMENT

_____ } ss

This _____ day of _____, 19____, before me
personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date 5~

Applicant Reference Number 14~ Atty Docket No. 15~

Title of Invention 4~

PATENT
REEL: 9419 FRAME: 0533

4297 3/3

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, Southern Building, Suite 700, 805 Fifteenth Street, N.W., Washington, D.C. 20005, 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 United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date July 15, 1998, Name of Inventor Yoshinori Kobayashi
Yoshinori Kobayashi
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____
Date _____, Name of Inventor _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Mutsuyo Zama
Witness Kohji Ogawa

ACKNOWLEDGEMENT

_____ } ss

This _____ day of _____, 19____, before me
personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

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The above application may be more particularly identified as follows:
U.S. Application Serial No. _____ Filing Date _____
Applicant Reference Number _____ Atty Docket No. _____
Title of Invention _____