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06-09-1998



SHEET

U.S. DEPARTMENT OF COMMERCE
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To the Assistant Commissioner for Pat

100730916

document(s) or copy(ies) thereof.

1. Name of conveying party(ies):

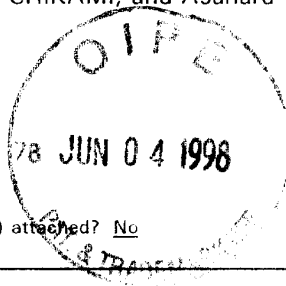
Kazuharu HIROKAWA, Rintaro CHIKAMI, and Asaharu MATSUO

Name and address of receiving party(ies):

Name: Mitsubishi Heavy Industries, Ltd.

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

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



3. Nature of conveyance:

Assignment (corrected) Merger
 Security Agreement Change of Name
 Other
Execution Date: February 13, 1998

Additional name(s) & address(es) attached? 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: February 13, 1998

A. Patent Application No.(s)

09/027,191

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. 28694]

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

Nils E. Pedersen
Signature

June 4, 1998
Date

Total number of pages including cover sheet, attachments, and document: 10

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignment
Washington, D.C. 20231

THE COMMISSIONER IS AUTHORIZED TO RECHARGE ANY DEFICIENCY IN THE FEE FOR THIS PAPER TO DEPOSIT ACCOUNT NO. 23-0975.

06/08/1998 JSW/MLZ 0000213 00027151 4000

PATENT
REEL: 9213 FRAME: 0365

MRD 6-4-98

CP/MHS-4300 1/2'

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)

Kazuharu HIROKAWA,

Rintaro CHIKAMI and

~~Tomoharu~~ MATSUO

~~and~~

Azuharu

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

Insert Name(s)
of Assignee(s)

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

COOLING MEDIUM PATH IN GAS TURBINE MOVING BLADE

Date of Signing
of Application

for which an application for patent in the United States of America has been executed by the undersigned

on February 13, 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.

4357 72'

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the Rule 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 February 13, 1998, Name of Inventor Kazuharu Hirokawa
 Date February 13, 1998, Name of Inventor Rintaro Chikami
 Date February 13, 1998, Name of Inventor Tomoharu Matsuo
 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 Seiichi Tanabe
 Witness Shoichi Kikawa

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 _____
 Applicant Reference Number _____ Atty Docket No. _____
 Title of Invention _____

U.S. Pat. 4,700,121

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)

Kazuharu HIROKAWA,

Rintaro CHIKAMI and

Tomoharu MATSUO
_____ ~~and~~

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

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4711 72

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 February 13, 1998, Name of Inventor *Kazuharu Hirokawa*
Kazuharu Hirokawa

Date February 13, 1998, Name of Inventor *Rintaro Chikami*
Rintaro Chikami

Date February 13, 1998, Name of Inventor *Tomoharu Matsuo*
Tomoharu Matsuo

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 *Seiichi Tanabe*

Witness *Shouichi Kikawa*

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.

Official Signature

SEAL

Official Title

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 _____

document. A corrected cover sheet and the originally recorded document accompany this request. Also enclosed is the fee set forth in 37 C.F.R. 3.41.

Respectfully submitted,

Kazuharu HIROKAWA et al.

By



Nils E. Pedersen
Registration No. 33,145
Attorney for Applicants

NEP/knw
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June 4, 1998