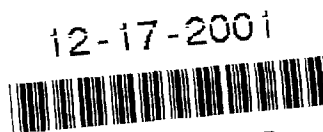


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Takehisa HINO, Yutaka KOIZUMI, Toshiharu KOBAYASHI,
Shizuo NAKAZAWA, Hiroshi HARADA, Yutaka ISHIWATA
and Yomei YOSHIOKA

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
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Execution Date: November 1, 2001

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

1) Kabushiki Kaisha Toshiba

Name: 2) Independent Administrative Institution
National Institute for Material Science

Address: 1) 1-1, Shibaura 1-Chome
Minato-Ku
Tokyo, JAPAN

2) 1-2-1, Sengen
Tsukuba-Shi
Ibaragi-Ken, JAPAN

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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)

09/941,699

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
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PATENT
REEL: 012361 FRAME: 0923

09/941,699

Assignment Of Application

Page 1 of 2

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

WHEREAS, I (WE) Takehisa HINO, Yutaka KOIZUMI, Toshiharu KOBAYASHI,
Shizuo NAKAZAWA, Hiroshi HARADA, Yutaka ISHIWATA and Yomei YOSHIOKA
of 2-19-2-102, Kanumadai, Sagamihara-Shi, Kanagawa-Ken, Japan;
2-7-7, Kubodai, Ryugasaki-Shi, Ibaragi-Ken, Japan;
7-2-21, Nagayama, Ryugasaki-Shi, Ibaragi-Ken, Japan;
5-1-20, Miyamae, Suginami-Ku, Tokyo, Japan;
3-18-33, Azuma, Tsukuba-Shi, Ibaragi-Ken, Japan;
4-11-30, Zushi, Zushi-Shi, Kanagawa-Ken, Japan; and
6-4-23-806, Kaminagaya, Kounan-Ku, Yokohama-Shi, Kanagawa-Ken, Japan
_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: NICKEL-BASE SINGLE-CRYSTAL
SUPERALLOYS, METHOD OF MANUFACTURING SAME AND GAS TURBINE HIGH TEMPERATURE
PARTS MADE THEREOF
for which an application for Letters Patent was executed on November 1, 2001

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

(Application No. 09/941,699, filed August 30, 2001), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, KABUSHIKI KAISHA TOSHIBA and Independent Administrative
Institution National Institute for Material Science

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-Chome,
Minato-Ku, Tokyo, Japan and 1-2-1, Sengen, Tsukuba-Shi, Ibaragi-Ken, Japan
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any
Letters Patent that may be granted therefore in the United States and its territorial possessions and in
any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: November 1, 2001

Takehisa Hino
(Signature of Inventor) Takehisa HINO

Date: November 1, 2001

Yutaka Koizumi
(Signature of Inventor) Yutaka KOIZUMI

Date: November 1, 2001

Toshiharu Kobayashi
(Signature of Inventor) Toshiharu KOBAYASHI

Date: November 1, 2001

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(Signature of Inventor) Shizuo NAKAZAWA

Date: November 1, 2001

Hiroshi Harada
(Signature of Inventor) Hiroshi HARADA

Date: November 1, 2001

Yutaka Ishiwata
(Signature of Inventor) Yutaka ISHIWATA

Date: November 1, 2001

Yomei Yoshioka
(Signature of Inventor) Yomei YOSHIOKA

Date: _____
(Signature of Inventor)

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