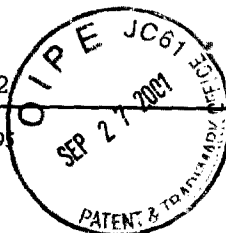


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Form PTO-159



10-05-2001



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):

Masanobu SEKI
Mineo TOKUDA

92701

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

Name: Komatsu Ltd.

Internal Address:

Street Address:

3-6, Akasaka 2-chome,
Minato-ku,
Tokyo 107-8414 JapanAdditional Name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Date: 5/9/01 & 3/9/01

City: _____ State: _____ ZIP: _____

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

4. Application number(s) or patent numbers:

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

A. Patent Application No.(s)

09/923,413

B. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

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

Name: R. Eugene Varndell, Jr.

Internal Address: _____

Street Address:

VARNDELL & VARNDELL, PLLC
106-A South Columbus Street

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charge to deposit account

Deposit Account Number:

22-0256

(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 true document.

R. Eugene Varndell, Jr.

Name of Person Signing

Signature

9/27/01

Date

Total number of pages comprising cover sheet: 2

ASSIGNMENT

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

NAME
&
ADDRESS
OR
RESIDENCE
OF
INVENTOR(S)

1. Masanobu SEKI, Hiratsuka-city, Kanagawa-prefecture, Japan

2. Mineo TOKUDA, Hiratsuka-city, Kanagawa-prefecture, Japan

3.

4.

5.

6.

7.

TITLE
OF
INVENTION

has invented and owns a certain invention entitled:

TEMPERATURE CONTROL APPARATUS

CHECK
ONE
BOX

for which application for Letters Patent of the United States was

☐ executed by each inventor concurrently with the execution of this assignment, and

☐ executed on

☒ filed on August 8, 2001

Serial No.

09/923,413

and

and

ASSIGNEE
WITH
ADDRESS

WHEREAS, the ASSIGNEE:

Komatsu Ltd.

3-6, Akasaka 2-chome, Minato-ku, Tokyo 107-8414, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any United States Letters Patent that may be granted therefor.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the sum of 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 which may be granted therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

ASSIGNOR agrees to provide ASSIGNEE or its (his) representatives any facts known to ASSIGNOR concerning said invention, 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 Letters 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 ASSIGNOR covenants that no assignment, sale, or agreement has been or will be made or entered into which would conflict with this assignment or sale.

The undersigned hereby grant(s) the firm of Varndell & Varndell, PLLC (formerly Varndell Legal Group), 106-A South Columbus Street, Alexandria, Virginia 22314, 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 and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s)

SIGNATURE
OF
INVENTOR(S)

1. Masanobu Seki

2. Mineo Tokuda

3.

4.

5.

6.

7.

DATE(S)
OF
SIGNATURE

5/9/2001

5/9/2001
2001-9-3

PATENT

RECORDED: 09/27/2001

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