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1. Name of conveying party(ies):

Yoshifumi Kachi
Akira Kuibira
Hirohiko Nakata

2. Name and address of receiving party(ies)

Name: Sumitomo Electric Industries, Ltd.

Internal Address: _____

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Street Address: 5-33, Kitahama 4-chome,
Chuo-kuCity: Osaka-shi Country: JAPAN State: JAPAN Zip: 541-0041Execution Date: January 14, 2004Additional name(s) & address(es) attached? ☐ Yes ☒ 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: 10/24/2003

A. Patent Application No.(s)

10/605,764

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: James W. JudgeInternal Address: Customer Number: 29453Street Address: Rivière Shukugawa 3rd Fl.3-1 Wakamatsu-choCity: Nishinomiya Country: JAPAN State: JAPAN Zip: 662-00356. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

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*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.*James W. Judge

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ASSIGNMENT OF PATENT APPLICATION

Whereas, Yoshifumi KACHI, Akira KUIBIRA and Hirohiko NAKATA

citizen(s) of Japan and hereinafter referred to as the applicant(s), has invented certain new and useful improvements in

CERAMIC SUSCEPTOR FOR SEMICONDUCTOR MANUFACTURING EQUIPMENT

- ☐ for which the applicant(s) executed an application for United States Patent on the latest date next to the signature(s) below, or otherwise on _____,
- ☒ for which United States Patent Application Number 10 / 605764 was filed on October 24, 2003

and whereas, Sumitomo Electric Industries, Ltd., a corporation organized and existing under the laws of Japan and

hereinafter referred to as the assignee, whose mailing address is

5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0041 Japan

is desirous of acquiring the entire rights in the patent application named above, and insofar as the same yields any United States patent(s), the title to and interest in the same:

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the applicant(s) assigns, and transfers, unto the assignee, the entire rights in the patent application, and the title to and interest in the same insofar as the same yields any United States patent(s); and the applicant(s) hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all any such patent(s) to the assignee, as that of the entire title to and interest in any such patent(s), for the sole use and behoof of the assignee and the assignee's legal representatives, as fully and entirely as any such patent(s) would have been held by the applicant(s) had the present assignment not been made.

In testimony whereof the applicant(s) has below executed this assignment.

Signature(s) and date(s):

Yoshifumi Kachi

Jan. 10, 2004

Akira Kuibira

Jan. 14, 2004

Hirohiko Nakata

Jan. 10, 2004