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TOSHIHIRO TACHIKAWA; JUNICHI MIYAHARA and TOSHIHIKO HANAMACHI

2. Name and address of receiving party(ies):
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Execution Date: **December 19, 2002**

4. Application number(s) or application date(s):
If this document is being filed together with a new application, the execution date of the application is: _____

A. Application/Patent No. B. Application/Issue Date
10/321,707 **December 17, 2002**

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

Charles N.J. Ruggiero, Esq.
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, Connecticut 06901-2682 U.S.A.

6. Total No. of applications and patents involved: 1.

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.
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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.

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Name of Person Signing

Signature

3/20/03
Date

Total number of pages including cover sheet, attachments and document: 3.

PATENT

REEL: 013899 FRAME: 0492

A S S I G N M E N T

In consideration of value received, I, having a mailing address at c/o NHK SPRING CO., LTD., 3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Japan, and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

CERAMICS HEATER

said application having been filed on _____
and assigned Application No. _____ ;
sell and assign to _____
NHK SPRING CO., LTD.
a corporation of Japan, having a business address at
3-10, Fukuura, Kanazawa-ku, Yokohama-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the following law firm 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 U. S. Patent and Trademark Office for recordation of this document.

Ohlandt, Greeley, Ruggiero & Perle, L. L. P.
One Landmark Square, 10th Floor, Stamford, Connecticut 06901-2682

ASSIGNMENT

02S1334-1

Inventor: (Signature)

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After recording please return to:
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