

05-14-1998



100710227

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REQUEST FOR ASSIGNMENT RECORDAL

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

Dear Sir:

Please record the attached assignment document.

1. Names of conveying parties: TAKASHI KOBAYASHI and TAKASHI NONAKA
2. Name and address of receiving party: Mitsubishi Denki Kabushiki Kaisha
2-3, Marunouchi 2-chome,
Chiyoda-ku, Tokyo 100,
JAPAN
3. Nature of conveyance: Assignment
Execution Date: December 11, 1997
4. Application No.: 08/988,378
The execution date of the patent application is December 11, 1997.
5. Name and address of party to whom correspondence concerning the attached document should be mailed:

LEYDIG, VOIT & MAYER
Suite 300
700 Thirteenth Street, N.W.
Washington, D.C. 20005

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72719/1.KANAYAMA

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PATENT
REEL: 9163 FRAME: 0272

6. Total number of patent applications involved: 1

7. Total fee: \$40.00

[X] Enclosed

[X] The Commissioner is authorized to charge any deficiencies in the fee payment accompanying this communication and to credit any excess payment of fees to Deposit Account No. 12-1216.

8. 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.

May 6, 1998
Date

Jeffrey A. Wyand
Jeffrey A. Wyand
Registration No. 29,458

Total number of pages comprising cover sheet, attachments and document: 4

72719/Y.KANAYAMA

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

Takashi KOBAYASHI and Takashi NONAKA
of all c/o MITSUBISHI DENKI KABUSHIKI KAISHA of 2-3, Marunouchi 2-chome,
Chiyoda-ku, TOKYO 100 JAPAN
hereby sells, assigns and transfers to
mitsubishi denki kabushiki kaisha
of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100 JAPAN

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled:
HEAT SINK, PORTABLE ELECTRONIC APPARATUS USING HEAT SINK, AND METHOD
FOR FORMING HEAT SINK

which was filed on December 10, 1997 and accorded Serial No. 08/988,378
~~which was executed by the undersigned on , 199 or was~~
~~filed on and accorded Serial No. (hereinafter called the~~
~~Application);~~

- (ii) any and all inventions and improvements which are described in the Application;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called the Patent);
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

The Assignee and its agents are hereby authorized to insert in this instrument the filing date and serial number of said application.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

Signed at Tokyo, Japan

this 11th day of December, 19 97.

WITNESS(ES):

Kaoru Kojima
Kaoru Kojima

Akiko Shinozuka
Akiko Shinozuka

INVENTOR(S):

Takashi Kobayashi
Takashi KOBAYASHI

Takashi Nonaka
Takashi NONAKA