

07-24-2000

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PATENTS ONLY

Our Ref.: 427-33

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

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

1. Name of conveying party(ies):
Koji NAKADO
Masashi INOUE

Additional name/s of conveying party/ies attached?

3. Nature of conveyance:
 Assignment Merger
 Security Assignment Change of Name
 Other

Execution Date: July 3, 2000

2. Name and address of receiving party(ies):
 Name: MITSUBISHI HEAVY INDUSTRIES, LTD.
 Internal Address: _____
 Street Address: 5-1, Marunouchi 2-chome, Chiyoda-ku

 City: Tokyo
 State/Country: Japan
 Zip: _____

Additional 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: July 3, 2000

A. Patent Application No(s).
 (1) (To be assigned)
 (2)
 (3)

B. Patent No(s).
 (1)
 (2)
 (3)

Additional numbers attached Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Arthur R. Crawford
 Internal Address: _____
 Street Address: Nixon & Vanderhye P.C.
1100 North Glebe Road
8th Floor
 City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our **Account No. 14-1140.**

DO NOT USE THIS SPACE

9. Statements 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.

Arthur R. Crawford July 6, 2000
 Name of Person Signing Signature Date
 Reg. No. 25,327

Total number of pages including **original** cover sheet, attachments, and document: [2]

1-c836 U.S. PTO
09/06/00
07/06/00

07/18/2000 REELLN 000000 09511339
40.00 DP
04 FC:561

PATENT
REEL: 010928 FRAME: 0039

Case No. _____

ASSIGNMENT OF U.S. PATENT RIGHTS

(1) Koji Nakado; and (2) Masashi Inoue

(Inventors)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee)

MITSUBISHI HEAVY INDUSTRIES, LTD.

(Address)

5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as
HEAT EXCHANGER

(Title)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on _____ or has already filed U.S. application Serial No. _____, on _____.

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHUYE P.C. 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	<u>July 3, 2000</u>	Signature of inventor	<u>Koji Nakado</u> Koji Nakado
Date	<u>July 3, 2000</u>	Signature of inventor	<u>Masashi Inoue</u> Masashi Inoue
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____
Date	_____	Signature of inventor	_____

~~Witnessed by:~~ Date July 3, 2000

Date July 3, 2000

Witnessed by: Masaaki Ikeda
Masaaki Ikeda

~~Date:~~ Witnessed by: Shousuke Inamura
Shousuke Inamura