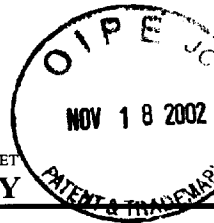


Atty Docket No.: 225737US3/hc

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102290564

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


<p>1. Name of conveying party(ies):</p> <p>Nobuya NAKAGAWA Hajime IZUMI Tetsuo TOMINAGA Toshihisa KONDO Kazuo ISHII Masanobu FUTATSUKI</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: MITSUBISHI HEAVY INDUSTRIES, LTD.</p> <p>Address: 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan</p> <p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: July 15, 15, 15, 15, 15 and May 30, 2002</p>	

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:

<p>A. Patent Application No.(s) 10/201,150</p>	<p>B. Patent No.(s)</p>
--	-------------------------

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p>  <p>22850</p>	<p>6. Total applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)</p>
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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 document.

<p>C. Irvin McClelland Name of Person Signing</p>	<p><i>Surinder Sachar</i> Signature Surinder Sachar Registration No. 34,423</p>	<p>Nov. 18 2002 Date</p>
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Registration Number: 21,124

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PATENT
REEL: 013500 FRAME: 0006

Assignment Of Application

WHEREAS, I (WE) (1)Nobuya NAKAGAWA, (2)Hajime IZUMI, (3)Tetsuo TOMINAGA,
(4)Toshihisa KONDO, (5)Kazuo ISHII and (6)Masanobu FUTATSUKI

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

Addresses of the inventors

(1), (4) and (5)
all of c/o Air-Conditioning & Refrigeration Systems Headquarters,

MITSUBISHI HEAVY INDUSTRIES, LTD., 1, Asahi-cho 3-chome, Nishi-biwajima-machi,
Nishi-kasugai-gun, Aichi-ken, Japan

(2) and (3) both of c/o TAKASAGO Research & Development Center, MITSUBISHI HEAVY
INDUSTRIES, LTD., 1-1, Arai-cho Shinhamma 2-chome, Takasago, Hyogo-ken, Japan

(6) c/o CHURYO ENGINEERING CO., LTD., 60-1, Kutanjo, Iwatsuka-cho,
Nakamura-ku, Nagoya-shi, Aichi-ken, Japan

_____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: AIR-CONDITIONING SYSTEM FOR A VEHICLE

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on July 15, 15, 15, 15, 15 and
May 30, 2002

(Application No. 10/201,150, filed July 24, 2002), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, MITSUBISHI HEAVY INDUSTRIES, LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 5-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo, Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and 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 Letter 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 undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: July 15, 2002 *Nobuya Nakagawa* Nobuya NAKAGAWA
(Signature of Inventor)

Date: July 15, 2002 *Hajime Izumi* Hajime IZUMI
(Signature of Inventor)

Date: July 15, 2002 *Tetsuo Tomonaga* Tetsuo TOMINAGA
(Signature of Inventor)

Date: July 15, 2002 *Toshihisa Kondo* Toshihisa KONDO
(Signature of Inventor)

Date: July 15, 2002 *Kazuo Ishii* Kazuo ISHII
(Signature of Inventor)

Date: May 30, 2002 *Masanobu Futatsuki* Masanobu FUTATSUKI
(Signature of Inventor)

Date: _____
(Signature of Inventor)

Date: _____
(Signature of Inventor)

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