



11-16-1998



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11/9/98

Docket No:
0097-0863-3/olp

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

<p>1. Name of conveying party(ies): Shaowei ZHU, Shin KAWANO, Tatsuo INOUE and Masafumi NOGAWA</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): Name: AISIN SEIKI KABUSHIKI KAISHA</p> <p>Address: 1, Asahi-machi 2-chome, Kariya-shi, Aichi-ken, JAPAN</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance: <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: <u>September 28, 1998</u></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: N/A

<p>A. Patent Application No.(s) 09/135,797</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41):.....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>15-0030</u> (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 Registration No. 21,124</p>	<p> _____ Registration Number <u>27,295</u> Total number of pages including cover sheet: <u>4</u></p>	<p> _____ Date</p>
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OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:

11/12/1998 DNGUYEN 00000195 09135797

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

01 FC:581

40.00 OP

Assignment Of Application

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

WHEREAS, I (WE) Shaowei ZHU of 7-202, Shinmei-cho, Kariya-shi,
Aichi-ken, JAPAN and Shin KAWANO of 81, Nagatsuji, Tsuiji-cho, Kariya-shi,
Aichi-ken, JAPAN and Tatsuo INOUE of 2-1-28, Imaike-cho, Anjo-shi,
Aichi-ken, JAPAN and Masafumi NOGAWA of 26-23, Motonoyama, Oshima-cho,
Toyota-shi, Aichi-ken, JAPAN

 _____, respectively,

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: PULSE TUBE REFRIGERATOR

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on x September 28, 1998
 (Application No. 09/135,797 , filed August 18, 1998), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, AISIN SEIKI KABUSHIKI KAISHA
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 1, Asahi-machi
2-chome, Kariya-shi, Aichi-ken, 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, for good and valuable consideration which is hereby
 acknowledged, 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.

19/09/98 7:47

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: X September 28, 1998 X Shaowei ZHU
(Signature of Inventor) Shaowei ZHU

Date: X September 28, 1998 X Shin Kawano
(Signature of Inventor) Shin KAWANO

Date: X September 28, 1998 X Tatsuo Inoue
(Signature of Inventor) Tatsuo INOUE

Date: X September 28, 1998 X Masafumi Nogawa
(Signature of Inventor) Masafumi NOGAWA

Date: _____
(Signature of Inventor)

Date: _____
(Signature of Inventor)

Date: _____
(Signature of Inventor)

Date: _____
(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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