

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tomotaka ISHIDA	07/10/2008
Mitsuru YAMAMOTO	07/10/2008
Sakae KITAJO	07/10/2008
Kazuo TAGA	07/10/2008
Kazuhiro KUMAKURA	07/10/2008

RECEIVING PARTY DATA

Name:	NEC Corporation
Street Address:	7-1, Shiba 5-chome,
City:	Minato-ku, Tokyo
State/Country:	JAPAN

Name:	Showa Denko K.K.
Street Address:	13-9, Shiba Daimon 1-chome
City:	Minato-ku, Tokyo
State/Country:	JAPAN
Postal Code:	105-8518

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12162716

CORRESPONDENCE DATA

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PATENT

REEL: 021711 FRAME: 0723

500681126

CH \$40.00 12162716

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ATTORNEY DOCKET NUMBER:

Q109450

NAME OF SUBMITTER:

Howard L. Bernstein

Total Attachments: 2

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Assignment

Whereas, I/We, Tomotaka ISHIDA, Mitsuru YAMAMOTO and Sakae KITAJO of Tokyo, Japan, Kazuo TAGA and Kazuhiro KUMAKURA of Tochigi, Japan, hereinafter called assignor(s), have invented certain improvements in

ELECTRONIC DEVICE COOLING APPARATUS

as set forth in an application for Letters Patent of the United States of America corresponding to international application No. PCT/JP2007/051746 filed on January 26, 2007; and

Whereas, NEC Corporation,
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan and
Showa Denko K. K.,
13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.


Date: July 10, 2008

Tomotaka Ishida 
s/ Tomotaka ISHIDA

Date: July 10, 2008

Mitsuru Yamamoto 
s/ Mitsuru YAMAMOTO

Date: July 10, 2008

Sakae Kitajo 
s/ Sakae KITAJO

Date: _____

s/ Kazuo TAGA

Date: _____

s/ Kazuhiro KUMAKURA

Witness:

Masato Kina Shiro Muta
(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §161)

PATENT
REEL: 021711 FRAME: 0725

Assignment

Whereas, I/We, Tomotaka ISHIDA, Mitsuru YAMAMOTO and Sakae KITAJO of Tokyo, Japan, Kazuo TAGA and Kazuhiro KUMAKURA of Tochigi, Japan, hereinafter called assignor(s), have invented certain improvements in
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as set forth in an application for Letters Patent of the United States of America corresponding to international application No. PCT/JP2007/051746 filed on January 26, 2007; and

Whereas, NEC Corporation,
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan and
Showa Denko K. K.,
13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date:

s/ Tomotaka ISHIDA

Date:

s/ Mitsuru YAMAMOTO

Date:

s/ Sakae KITAJO

Date:

July 10, 2008

s/ Kazuo TAGA

Date:

July 10, 2008

s/ Kazuhiro KUMAKURA

Witness:

J. Ishida

Shinichi Baba

(Legalization not required for recording but is prima facie evidence of execution under **PATENT**)