

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Takashi YABE	10/20/2006
Hiroyuki SUDO	10/20/2006
Takashi HIRAYAMA	10/20/2006
RECEIVING PARTY DATA	
Name:	Showa Denko K.K.
Street Address:	13-9, Shiba Daimon 1-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	105-8518
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11616130
CORRESPONDENCE DATA	
Fax Number:	(703)412-2220
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(703) 413-3000
Email:	echaston@oblon.com
Correspondent Name:	Oblon, Spivak, et al.
Address Line 1:	1940 Duke Street
Address Line 4:	Alexandria, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	301268US40
NAME OF SUBMITTER:	Elizabeth A Chaston
Total Attachments: 2 source=301268USAssignment#page1.tif source=301268USAssignment#page2.tif	

OP \$40.00 11616130

PATENT

500198982

REEL: 018676 FRAME: 0087

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Takashi YABE, Hiroyuki SUDO and Takashi HIRAYAMA,
c/o SHOWA DENKO K.K., OYAMA REGIONAL OFFICE, 480, Inuzuka 1-chome, Oyama-shi,
Tochigi 323-8678 Japan

 _____, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: HEAT EXCHANGER

 (Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, SHOWA DENKO K.K.
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 13-9, Shiba Daimon 1-chome, Minato-ku,
Tokyo 105-8518 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.

06/04

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 1940 Duke Street, Alexandria, Virginia 22314 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: 20 October 2006

Takashi Yabe
(Signature of Inventor) Takashi YABE

Date: 20 October 2006

Hiroyuki Sudo
(Signature of Inventor) Hiroyuki SUDO

Date: 20 October 2006

Takashi Hirayama
(Signature of Inventor) Takashi HIRAYAMA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

06/04