

04-19-2001



EET

101680257

TO THE ASSISTANT COMMISSIONER FOR PATENTS. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

Seung Hark Shin and Yong Ho Kim

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies):

Name: Halla Climate Control Corp.

Internal Address:

Street Address: 1689-1, Shinil-Dong, Taedok-Gu

City: Taejon-SI State: KOREA ZIP: 306-230

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) February 20, 2001

4. Application number(s) or Patent number(s):

( ) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/757,077  
Filing Date: January 8, 2001

( ) Patent No.:  
Issue Date:

Additional numbers attached? ( ) Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: John M. Carson  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

Internal Address: Sixteenth Floor

Street Address: 620 Newport Center Drive

City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: ORIEN17.001AUS

7. Total fee (37 CFR 3.41): \$40.00

(X) Enclosed  
(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: One

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.

John M. Carson  
Name of Person Signing

Signature

Date

34,303  
Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

U.S. Patent and Trademark Office  
Attn: Assignment Division  
Crystal Gateway-4  
1213 Jefferson Davis Highway, Suite 320  
Arlington, VA 22202

Application No.: 09/757,077  
Filing Date: January 8, 2001

PATENT  
Client Code: ORIEN17.001A  
Page 1

### ASSIGNMENT

WHEREAS, I, Yong Ho Kim, a Republic of Korea citizen, residing at Dormitory of Halla Climate Control Corp. 1689-1, Shinil-Dong, Taedok-Gu, Taejon-Si 306-230 KOREA, have invented certain new and useful improvements in a Plate for stack type heat exchangers and heat exchanger for which I have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Halla Climate Control Corp. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at 1689-1, Shinil-Dong, Taedok-Gu, Taejon-Si, 306-230 KOREA, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

SIGNATURE: Yong Ho Kim Date: Feb. 20, 2001  
Yong Ho Kim

H:\DOCS\MCK\MCK-3405.DOC  
063009

ASSIGNMENT

WHEREAS, I, Sung Hark Shin, a Republic of Korea citizen, residing at Dormitory of Halla Climate Control Corp. 1689-1, Shinil-Dong, Taedok-Gu, Taejon-Si 306-230 KOREA, have invented certain new and useful improvements in a Plate for stack type heat exchangers and heat exchanger using such plates for which I have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Halla Climate Control Corp. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at 1689-1, Shinil-Dong, Taedok-Gu, Taejon-Si, 306-230 KOREA, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

SIGNATURE:

S. H. Shin  
Sung Hark Shin

Date: Feb. 20, 2001

H:\DOCS\MCK\MCK-3405.DOC  
0630 0