503994045 09/07/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4040702

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG MO KIM	09/05/2016

RECEIVING PARTY DATA

Name:	KYUNGDONG NAVIEN CO., LTD.
Street Address:	(SEGYO-DONG), 663, GYEONGGI-DAERO
City:	PYEONGTAEK, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15258327

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617-542-6000

Email: cmalone@mintz.com

Correspondent Name: MINTZ LEVIN/SPECIAL GROUP

Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER:	48087-568C01US
NAME OF SUBMITTER:	KONGSIK KIM
SIGNATURE:	/Kongsik Kim/
DATE SIGNED:	09/07/2016

Total Attachments: 2

source=568C01Assignment#page1.tif source=568C01Assignment#page2.tif

PATENT 503994045 REEL: 039659 FRAME: 0715

,,,,,				300
		ASSI	GNMENT	~~~
	Title of Invention		HEAT EXCHANGER	-noi
	acknowledged, confi the ASSIGNEE liste	irm that we have sold and ad below: (1) our entire rigi	ole consideration, the receipt of which is hereby assigned, and do hereby assign, sell and transfer to this title and interest for the United States and in all overies and applications which are disclosed in:	***
	[X] The application attached hereto. [] United States Application Nofiled on [] Application No(s) and/or Patent No(s) listed in the attached.			
:	thereof and any su applications in the na designee's election, world; (3) the entire a the United States of extensions thereof, a (4) the entire right,	ubstitute applications there iame of the ASSIGNEE, its on the aforesaid inventions right, title and interest in an or in any country, and any and any patents of confirm title and interest in all C nitation all rights of priority	xaminations, extensions, continuations and divisions efor; (2) the full and complete right to file patent is designee, or in our name as the ASSIGNEE, or its s, discoveries and applications in all countries of the and to any Letters Patent which may issue thereon in any renewals, revivals, reissues, reexaminations and nation, registration and importation of the same; and convention and Treaty Rights of all kinds thereon, y in any country of the world, in and to the above	
cicion	Name of	Assignee	Address	KOO.
3000	Kyungdong N	Navien Co., Ltd.	(Segyo-dong), 663, Gyeonggi-daero Pyeongtaek, Gyeonggi-do Republic of Korea	~~
, nan				-
sieco	Letters Patent in the title and interest there	United States and through ein, as fully and entirely as sale and transfer not been	the ASSIGNEE, to execute and to deliver to the	

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Any attorney or agent of record and any registered attorney or agent of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111, telephone (617) 542-6000, is hereby authorized to insert, when known.

Name of Assignor(s)	Signature	Date
KIM, Young Mo	Kim Young 100	Sep. 5.20
		DODOLÍGICADAS