

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2920475

|                                                                                                                                                                                                 |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                      |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                          |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                     |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>               |
| ICK JIN AN                                                                                                                                                                                      | 06/25/2014                          |
| CHAN HYUN PARK                                                                                                                                                                                  | 06/25/2014                          |
| KYOUNG HO ROW                                                                                                                                                                                   | 06/25/2014                          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                     |
| <b>Name:</b>                                                                                                                                                                                    | KOREA KUMHO PETROCHEMICAL CO., LTD. |
| <b>Street Address:</b>                                                                                                                                                                          | 100, CHEONGGYECHEON-RO, JUNG-GU     |
| <b>City:</b>                                                                                                                                                                                    | SEOUL                               |
| <b>State/Country:</b>                                                                                                                                                                           | REPUBLIC OF KOREA                   |
| <b>Postal Code:</b>                                                                                                                                                                             | 100-230                             |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                     |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                       |
| Application Number:                                                                                                                                                                             | 14320161                            |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                     |
| <b>Fax Number:</b>                                                                                                                                                                              |                                     |
| <i>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.</i> |                                     |
| <b>Phone:</b>                                                                                                                                                                                   | 571-249-5652                        |
| <b>Email:</b>                                                                                                                                                                                   | mail@thepllaw.com                   |
| <b>Correspondent Name:</b>                                                                                                                                                                      | THE PL LAW GROUP, PLLC              |
| <b>Address Line 1:</b>                                                                                                                                                                          | 11710 PLAZA AMERICA DR, SUITE 2000  |
| <b>Address Line 4:</b>                                                                                                                                                                          | RESTON, VIRGINIA 20190              |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | P41314HA05                          |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | JONG H PARK                         |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /JONG H PARK/                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 06/30/2014                          |
| <b>Total Attachments: 1</b>                                                                                                                                                                     |                                     |
| source=20140630_P41314HA05_TU_ASN#page1.tif                                                                                                                                                     |                                     |

## ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

**Korea Kumho Petrochemical Co., Ltd.**

having a place of business at: 100, Cheonggyecheon-ro, Jung-gu, Seoul 100-230, Republic of Korea

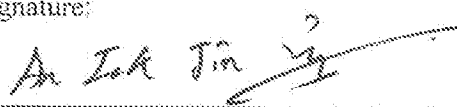
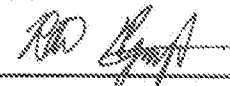
Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

**MIXING REACTOR FOR HETEROGENEOUS FLUIDS USING HIGH-SPEED  
INJECTING**

invented by me and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said **Korea Kumho Petrochemical Co., Ltd.**, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres.

IN WITNESS WHEREOF, I have set our hands and seals on the dates written beside my name:

|                                                                                                              |                        |
|--------------------------------------------------------------------------------------------------------------|------------------------|
| Legal Name of First Inventor: AN, Ick Jin                                                                    |                        |
| Inventor's Signature:<br> | Date:<br>June 25, 2014 |
| Legal Name of Additional Inventor: PARK, Chan Hyun                                                           |                        |
| Inventor's Signature:<br> | Date:<br>June 25, 2014 |
| Legal Name of Additional Inventor: ROW, Kyoung Ho                                                            |                        |
| Inventor's Signature:<br> | Date:<br>June 25, 2014 |