

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Young-Jin SON</td> <td>02/26/2013</td> </tr> <tr> <td>Jae-Whan OK</td> <td>02/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Young-Jin SON	02/26/2013	Jae-Whan OK	02/26/2013
Name	Execution Date						
Young-Jin SON	02/26/2013						
Jae-Whan OK	02/26/2013						
RECEIVING PARTY DATA							
Name:	VOLVO CONSTRUCTION EQUIPMENT AB						
Street Address:	-						
City:	Eskilstuna						
State/Country:	SWEDEN						
Postal Code:	SE-631 85						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13819761</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13819761		
Property Type	Number						
Application Number:	13819761						
CORRESPONDENCE DATA							
Fax Number:							
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	248-641-1600						
Email:	cgielniak@hdp.com						
Correspondent Name:	HARNESS, DICKEY & PIERCE, P.L.C.						
Address Line 1:	P.O. BOX 828						
Address Line 2:	G. Gregory Schivley						
Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48303						
ATTORNEY DOCKET NUMBER:	2529-000114/US/NP						
NAME OF SUBMITTER:	Cynthia L. Gielniak						
Total Attachments: 2 source=2529-000114-US-NP-Executed_Assignment#page1.tif source=2529-000114-US-NP-Executed_Assignment#page2.tif							

CH \$40.00 13819761

## ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

### HYDRAULIC CIRCUIT FOR CONSTRUCTION EQUIPMENT

for which Assignor is about to make or has made United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on **September 02, 2010**, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. **PCT/KR2010/005968**; and

WHEREAS, **VOLVO CONSTRUCTION EQUIPMENT AB** of SE-631 85 Eskilstuna, Sweden, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

### ASSIGNMENT

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Application No. 13/819,761 ;

Filed: February 28, 2013

손영진  
\_\_\_\_\_  
**Young-Jin SON**  
February 26, 2013  
\_\_\_\_\_  
Dated

Em-ah CHOZ  
\_\_\_\_\_  
Witness  
Jin-a, Lee  
\_\_\_\_\_  
Witness

J. W, OK  
\_\_\_\_\_  
**Jae-Whan OK**  
February 26, 2013  
\_\_\_\_\_  
Dated

YounJeong LEE  
\_\_\_\_\_  
Witness  
Hyung Hee Kim.  
\_\_\_\_\_  
Witness