PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2607259

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAE-HONG KIM	10/30/2013

RECEIVING PARTY DATA

Name:	VOLVO CONSTRUCTION EQUIPMENT AB	
Street Address:	SE-631 85 ESKILSTUNA	
City:	ESKILSTUNA	
State/Country:	SWEDEN	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14116277	

CORRESPONDENCE DATA

Fax Number: (703)518-5499 **Phone**: 7036841111

Email: yshgroup@ipfirm.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: LOWE HAUPTMAN & HAM, LLP

Address Line 1: 2318 MILL ROAD
Address Line 2: SUITE 1400

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	5159-0018
NAME OF SUBMITTER:	YOON S. HAM
Signature:	/Yoon S. HAM/
Date:	11/07/2013

Total Attachments: 1

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REEL: 031563 FRAME: 0648

Client Ref. No.: <u>VO-P6c344/PCT/US</u>

ASSIGNMENT

who has made a certain new and useful invention, hereby sells, assigns and transfers unto VOLVO CONSTRUCTION EQUIPMENT AB having a place of business at <u>SE-631 85 Eskilstuna</u>, <u>Sweden</u>, its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled:

HYBRID EXCAVATOR INCLUDING A FAST-STOPPING APPARATUS FOR A HYBRID ACTUATOR

(a)	for which an application for United States Letters	Patent was filed on	and identified	by
	United States Patent Application No.	¢or		
(b)	for which an application for United States Letters Pa	tent was executed on		

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Lackborg King	October 30, 2013		
Name Jae-Hong KIM	Date		
2)	× × × × × × × × × × × × × × × × × × ×	33666	
Name:	Date		
3) Name:	Date		
4)			
Name:	Date	77.77.	
5)			
Name:	Date		

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