

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3975559

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
HSBC INTERNATIONAL TRADE FINANCE LIMITED		07/21/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GROVE U.S. L.L.C.	
<b>Street Address:</b>	1565 BUCHANAN TRAIL EAST	
<b>City:</b>	SHADY GROVE	
<b>State/Country:</b>	PENNSYLVANIA	
<b>Postal Code:</b>	17256	
<b>PROPERTY NUMBERS Total: 38</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	6390233	
Patent Number:	6473715	
Patent Number:	6631817	
Patent Number:	6380849	
Patent Number:	6726960	
Patent Number:	6343703	
Patent Number:	6050430	
Patent Number:	5111945	
Patent Number:	4525820	
Patent Number:	5927520	
Patent Number:	5060427	
Patent Number:	4674944	
Patent Number:	5673805	
Patent Number:	4718814	
Patent Number:	6267200	
Patent Number:	5911239	
Patent Number:	5877693	
Patent Number:	4661411	
Patent Number:	4731916	
Patent Number:	6067024	

PATENT

Property Type	Number
Patent Number:	4664272
Patent Number:	6116140
Patent Number:	6029559
Patent Number:	5704498
Patent Number:	5151638
Patent Number:	6012544
Patent Number:	5129480
Patent Number:	4809472
Patent Number:	5718345
Patent Number:	5584356
Patent Number:	5021917
Patent Number:	6024191
Patent Number:	5355970
Patent Number:	4879568
Patent Number:	6341665
Patent Number:	5145029
Patent Number:	4757875
Patent Number:	5249643

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<b>ATTORNEY DOCKET NUMBER:</b>	031529-0207
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER M. KING
<b>SIGNATURE:</b>	/Christopher M. King/
<b>DATE SIGNED:</b>	07/25/2016

#### Total Attachments: 6

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## **PATENT RELEASE**

This Patent Release is made and effective as of July 21, 2016, by **HSBC INTERNATIONAL TRADE FINANCE LIMITED**, as Collateral Agent (the "Agent") under a Security Agreement (describe more fully below), in favor of **GROVE U.S. L.L.C.**, a Delaware limited liability company (the "Grantor").

WHEREAS, Grantor executed in favor of Agent (i) that certain Security Agreement dated as of January 11, 2001 (as amended, modified, restated and/or supplemented from time to time the "Security Agreement"; capitalized terms which are not defined herein have the meaning given to such terms in the Security Agreement), and (ii) that certain Grant of Security Interest in United States Patents ("Patent Security Agreement");

WHEREAS, the Patent Security Agreement was recorded with the Patent Division of the United States Patent and Trademark Office on March 15, 2002 at Reel 012683, Frame 0080 against the Patents set forth on Schedule A thereto;

WHEREAS, pursuant to those certain pay-off letter dated March 3, 2016, Agent confirmed (i) payment of all outstanding obligations of Grantor, (ii) termination and release of all security interests made by Grantor to Agent, and (iii) authorization for Grantor and/or its counsel to file on behalf of Agent any intellectual property releases and other releases necessary to effectuate the releases contemplated by such pay-off letter; and

WHEREAS, Agent has agreed to and confirms its release of the entirety of its security interest in and lien on all of Grantor's right, title and interest in, to and under the Patents and reassigns the same to Grantor.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

1. Agent, hereby fully and finally terminates the Patent Security Agreement and releases its security interest in and lien on all of Grantor's right, title and interest in and to (i) the Patents, including, without limitation, the Patent registrations and Patent applications set forth on **Schedule A** attached hereto, (ii) all Proceeds (as such term is defined in the Security Agreement) and products of the Patents, and (iii) all causes of action arising prior to or after the date thereof for infringement of any of the Patents or unfair competition regarding the same.

2. Agent hereby reassigns, grants and conveys to Grantor, without any representation, recourse or undertaking by Agent, all of Agent's right, title and interest (if any) in and to (i) the Patents, (ii) all Proceeds (as such term is defined in the Security Agreement) and products of the Patents, and (iii) all causes of action arising prior to or after the date thereof for infringement of any of the Patents or unfair competition regarding the same.

3. This Patent Release and Reassignment is made under and governed by the laws of the State of New York applicable to contracts made and to be performed entirely within such State, without regard to conflict of laws principles.

Executed on the 21 day of July, 2016.

**HSBC INTERNATIONAL TRADE  
FINANCE LIMITED,**  
Collateral Agent

By: 

Name: Frederic Vilsboe

Title: Director

SF:405548.2

**PATENT**  
**REEL: 039241 FRAME: 0075**

**SCHEDULE A****PATENTS – Grove U.S. L.L.C.**

Patent	App. No.	Reg. No. / Date	Country	Status
Method for a lifting apparatus with floating lift cylinder attachment	09/661,293	6,390,233 May 21, 2002	US	Active
Luffing angle measurement system	09/205,295	6,473,715 October 29, 2002	US	Active
Re-configurable crane carrier	09/666,599	6,631,817 October 14, 2003	US	Active
Aerial work platform with pothole and/or obstacle detection and avoidance system	09/205,296	6,380,849 April 30, 2002	US	Active
Protective coating on steel parts	08/919,448	6,726,960 April 27, 2004	US	Active
Anti-tow block device using non-contact measuring and detecting devices	09/205,298	6,343,703 February 5, 2002	US	Active
Automatic leveling and synchronization system for counterweight removal and installation	09/182,464	6,050,430 April 18, 2000	US	Active
Boom extension alignment device	07/759,675	5,111,945 May 12, 1992	US	Active
Function selecting method and system for an audio/video recording and reproducing system	06/245,512	4,525,820 June 25, 1985	US	Active
Electro-hydraulic operating system for extensible boom crane	08/539,953	5,927,520 July 27, 1999	US	Active
Extension and retraction system for four section telescopic boom having simultaneous and equal extension and retraction of the telescopic sections	07/473,438	5,060,427 October 29, 1991	US	Active

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Patent	App. No.	Reg. No. / Date	Country	Status
Forklift variable reach mechanism	06/813,852	4,674,944 June 23, 1987	US	Active
Jib pin alignment jack assembly	08/395,589	5,673,805 October 7, 1997	US	Active
Forklift variable reach mechanism	06/940,734	4,718,814 January 12, 1988	US	Active
Lifting apparatus with floating lift cylinder attachment	09/184,020	6,267,200 July 31, 2001	US	Active
Electro-hydraulic operating system for extensive boom crane	08/917,871	5,911,239 June 15, 1999	US	Active
Method and apparatus for measuring the length of a multi-section telescopic boom	09/084,419	5,877,693 March 2, 1999	US	Active
Method for depositing a fluorocarbonsulfonic acid polymer on a support from a solution	06/832,627	4,661,411 April 28, 1987	US	Active
Method of removal of outrigger box on cranes	06/923,605	4,731,916 March 22, 1988	US	Active
Obstacle avoidance and crushing protection system for outriggers of a chassis	09/205,291	6,067,024 May 23, 2000	US	Active
Crane boom locking pin insertion indicator and actuator means	06/861,723	4,664,272 May 12, 1987	US	Active
Telescoping system with multi-stage telescopic cylinder	09/055,239	6,116,140 September 12, 2000	US	Active
Telescoping system with multiple single-stage telescopic cylinders	09/055,299	6,029,559 February 29, 2000	US	Active
Transportable crane	08/774,200	5,704,498 January 6, 1998	US	Active

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Patent	App. No.	Reg. No. / Date	Country	Status
Motor overload indicating arrangement	07/743,939	5,151,638 September 29, 1992	US	Active
Aerial work platform with removable attachable support structure for auxiliary power plant	08/957,798	6,012,544 January 11, 2000	US	Active
Articulated parallelogram boom assembly synchronization device	07/672,883	5,129,480 July 14, 1992	US	Active
Carrier track assembly for extensible and retractable boom machines	07/101,017	4,809,472 March 7, 1989	US	Active
Carrier track system for independent and/or synchronized operation of a multi-section telescopic boom structure	08/692,458	5,718,345 February 17, 1998	US	Active
Centerline double riser with single lift cylinder and link for a low profile self-propelled aerial work platform	08/455,214	5,584,356 December 17, 1996	US	Active
Control panel power enabling and disabling system for aerial work platforms	07/471,797	5,021,917 June 4, 1991	US	Active
Lift apparatus having an articulated double parallelogram boom assembly	09/015,762	6,024,191 February 15, 2000	US	Active
Multicell articulated riser system for a self-propelled aerial work platform	08/111,933	5,355,970 October 18, 1994	US	Active
Droplet deposition apparatus	07,140,764	4,879,568 November 7, 1989	US	Active
Retractable counterweight for straight-boom aerial work platform	09/394,616	6,341,665 January 29, 2002	US	Active

Patent	App. No.	Reg. No. / Date	Country	Status
Self-storing maintenance stand for a scissor lift aerial work platform	07,757,539	5,145,029 September 8, 1992	US	Active
Vehicular low profile self-propelled aerial work platform	07/101,016	4,757,875 July 19, 1988	US	Active
Vehicular self-propelled aerial work platform and telescoping parallelogram boom therefor	07,863,035	5,249,643	US	Active

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