

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3812989

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES HAGER	10/17/2013
FRANK LONDRY	10/17/2013
NIC G. BLOOMFIELD	10/17/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DH TECHNOLOGIES DEVELOPMENT PTE. LTD.
<b>Street Address:</b>	80 RAFFLES PLACE UOB PLAZA
<b>Internal Address:</b>	C/O KATTER WONG
<b>City:</b>	SINGAPORE
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	048624
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15026236
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(301)340-3022
<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>	7038671886
<b>Email:</b>	john.kasha@kashalaw.com
<b>Correspondent Name:</b>	JOHN R. KASHA
<b>Address Line 1:</b>	14532 DUFIEF MILL ROAD
<b>Address Line 2:</b>	KASHA LAW LLC
<b>Address Line 4:</b>	NORTH POTOMAC, MARYLAND 20878
<b>ATTORNEY DOCKET NUMBER:</b>	ABS0111-US
<b>NAME OF SUBMITTER:</b>	KELLY L. KASHA
<b>SIGNATURE:</b>	/Kelly L. Kasha/
<b>DATE SIGNED:</b>	04/02/2016
<b>Total Attachments: 4</b>	
source=ABS0111-PRO_assignment_signed_us#page1.tif	
source=ABS0111-PRO_assignment_signed_us#page2.tif	

source=ABS0111-PRO\_assignment\_signed\_us#page3.tif

source=ABS0111-PRO\_assignment\_signed\_us#page4.tif

**ASSIGNMENT**

WHEREAS, James Hager, residing at 2747 Inlake Court, Mississauga, ON L5N 2A5, Canada;

Frank Londry, residing at 5 Windmill Road, RR1, Omemee, ON K0L 2W0, Canada; and

Nic G. Bloomfield, residing at 184 Austin Paul Dr., Newmarket, ON L3K 2K4, Canada

(hereinafter "Assignors") have invented certain new and useful improvements in

**SYSTEMS AND METHODS FOR ARBITRARY QUADRUPOLE TRANSMISSION  
WINDOWING**

for a full description of which, reference is here made to an application for Letters Patent of the United States of America

☐ Executed concurrently herewith

☐ Executed on

☐ Serial. No. , filed

in the U.S. Patent and Trademark Office and to U.S. provisional patent application(s)

☒ Serial. No. **61/891,573**, filed **October 16, 2013**

☐ Serial. No. , filed

in the U.S. Patent and Trademark Office; and

## ASSIGNMENT

ABS0111-PRO

WHEREAS, DH Technologies Development Pte. Ltd., having a principal place of business at c/o KatterWong 80 Raffles Place UOB Plaza, 048624 Singapore (hereinafter "Assignee") is desirous of acquiring the entire right, title, and interest in, to, and under said invention and application above identified, and in, to, and under any Letters Patent that may be obtained for said invention, together with all foreign rights corresponding thereto, as hereinafter more fully set forth.,

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable and legally sufficient consideration, the receipt of which by each Assignor from Assignee is hereby acknowledged, Assignors have agreed to sell, assign, and transfer and by these presents does hereby, sell, assign, and transfer unto Assignee the entire right, title and interest in, to, and under said invention and application above identified and Letters Patent of the United States of America that may be obtained in respect thereof; any corresponding applications for Letters Patent and Letters Patent therefor in all other areas of the world; and any reissues, extensions, substitutions, confirmations, divisions, continuations, and continuation-in-parts of any of the foregoing (hereinafter "Invention Rights"), to have and to hold for the sole and exclusive use and benefit of Assignee forever.

Assignors hereby covenant and agree, for themselves and for their respective legal representatives, to assist and cooperate with Assignee in the preparation and prosecution of any applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Letters Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the purpose of implementing the terms of this ASSIGNMENT.

Assignors hereby authorize and empower Assignee to invoke and claim for any applications or Letters Patent included within the Invention Rights the benefit of any

## ASSIGNMENT

ABS0111-PRO

rights to which Assignors might be entitled under international law or under the laws of any particular country (such as, without limitation, the right of priority provided by the International Convention for the Protection of Industrial Property, as amended) and to invoke and claim said rights without further written or oral authorization from Assignors.

Assignors hereby consent that a copy of this ASSIGNMENT shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and more particularly in proof of the right of Assignee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended.

Assignors covenant and agree that this ASSIGNMENT and all of the terms hereof shall inure to the benefit of the successors, assigns, legal representatives, or nominees of Assignee, without further written or oral authorization from Assignors.

Assignors hereby authorize and request Assignee to fill in the following blanks specifying the United States Serial No. and filing date for said application above identified:

U.S. Serial No.: 15/026,236

Filed: March 30, 2016

but Assignee's failure to do so shall have no bearing whatsoever upon the validity or legal effect of this ASSIGNMENT.

Assignors hereby authorize and request the Commissioner of Patents and the United States Patent and Trademark Office to issue Letters Patent to Assignee in accordance with the terms of this ASSIGNMENT.

ASSIGNMENT

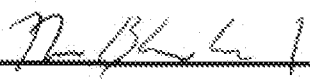
ABS0111-PRO

SIGNATURE:   
NAME: James Hager

Date: 2013-10-14

SIGNATURE:   
NAME: Frank Londry

Date: 2013-10-17

SIGNATURE:   
NAME: Nic G. Bloomfield

Date: 2013-10-17

SIGNATURE: \_\_\_\_\_  
NAME: \_\_\_\_\_

Date: \_\_\_\_\_