

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8070928

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATTHEW GORCZYCA	01/17/2023
MARK JAMES MITCHELL	12/06/2022
PATRICK HENRY MCGINN	11/18/2022
MICHAEL MORGAN CAMPBELL	12/19/2022
MATTHEW DOUGLAS BROWN	01/17/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HATCH LTD.
<b>Street Address:</b>	2800 SPEAKMAN DRIVE
<b>City:</b>	MISSISSAUGA
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	L5K 2R7
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17917480
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(613)787-3558
<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>	6137873596
<b>Email:</b>	kpetsalis@blg.com
<b>Correspondent Name:</b>	BORDEN LADNER GERVAIS LLP (OTTAWA) CURTI
<b>Address Line 1:</b>	WORLD EXCHANGE PLAZA
<b>Address Line 2:</b>	100 QUEEN STREET SUITE 1300
<b>Address Line 4:</b>	OTTAWA, CANADA K1P 1J9
<b>ATTORNEY DOCKET NUMBER:</b>	PAT 92921W-2
<b>NAME OF SUBMITTER:</b>	KATHERINE PETSALIS
<b>SIGNATURE:</b>	/Katherine Petsalis/
<b>DATE SIGNED:</b>	07/21/2023
<b>Total Attachments: 6</b>	

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**WORLDWIDE****ASSIGNMENT AGREEMENT**

**NOW THEREFORE** for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

**HATCH LTD., a corporation incorporated under the laws of Canada,  
having a business address at 2800 Speakman Drive, Mississauga,  
ON L5K 2R7, CANADA**

(the “**Company**”);

**GORCZYCA, Matthew, an individual residing in Toronto, ON,  
Canada; MITCHELL, Mark James, an individual residing in  
Vancouver, ON, Canada; McGINN, Patrick Henry, an individual  
residing in Freelon, ON, Canada; CAMPBELL, Michael Morgan, an  
individual residing in Toronto, ON, Canada; and BROWN, Matthew  
Douglas residing in Oakville, ON, Canada**

(collectively, the “**Inventors**”),

acknowledge, agree and confirm as follows:

1. Effective at least as early as **October 6, 2022** (the “**Effective Date**”), the Company is the exclusive owner of all rights, title and interests in the United States of America, Canada, and all countries, regions, and jurisdictions foreign thereto throughout the world, in and to the inventions, copyright, and designs the Inventors conceived, created, developed, and/or put into practice as contained, described, disclosed, and/or claimed in

United States Patent Application filed **October 6, 2022**, having Serial Number **17/917,480**, relating to and entitled **DEVICE, SYSTEM AND METHOD FOR DETECTING LEAKAGE CURRENT FOR TRACTION POWER SYSTEM**

and to all patent applications and patents arising and/or derived therefrom, including to all rights, title and interests in and to each patent application and patent that is a national / regional phase entry, continuation, continuation-in-part, re-issue, divisional, or re-examination of, that incorporates any of the contents of, or that claims priority to, any of the foregoing referenced applications and patents (the “**Developments**”).

2. To the extent the Inventors had any rights, title, or interests in or to the Developments, the parties confirm that the Inventors have sold, assigned, and transferred, and that the Inventors do hereby sell, assign, and transfer, all of such rights, title, and interests to the Company effective as of the Effective Date.
3. The parties may electronically execute and deliver this agreement in any number of counterparts, each of which is deemed to be an original. The parties shall do all things and execute all documents to give effect to this agreement.

United States Provisional Patent Application filed **October 6, 2022**, having Serial Number **17/917,480**, relating to and entitled **DEVICE, SYSTEM AND METHOD FOR DETECTING LEAKAGE CURRENT FOR TRACTION POWER SYSTEM**

**PATENT**  
**REEL: 064339 FRAME: 0007**

4. The parties authorize the firm of Borden Ladner Gervais LLP to insert any further identification necessary to make this document suitable for recordation in the Patent Offices of any country, region, or jurisdiction as may be required.

*[Signature Pages Follows]*

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the dates set out below.

**GORCZYCA, Matthew**

\_\_\_\_\_  
Signature

**MITCHELL, Mark James**

\_\_\_\_\_  
Signature

**McGINN, Patrick Henry**

\_\_\_\_\_  
Signature

**CAMPBELL, Michael Morgan**

\_\_\_\_\_  
Signature

**BROWN, Matthew Douglas**

*Matthew Brown*

2023-01-17

\_\_\_\_\_  
Signature

**HATCH LTD.**

By: Philadelphia Lala

\_\_\_\_\_  
Print Name

Title: General Counsel & Group Corporate Secretary

*Philadelphia Lala*

2023-01-17

\_\_\_\_\_  
Signature

**(I have authority to bind the Corporation)**

United States Provisional Patent Application filed **October 6, 2022**, having Serial Number **17/917,480**, relating to and entitled **DEVICE, SYSTEM AND METHOD FOR DETECTING LEAKAGE CURRENT FOR TRACTION POWER SYSTEM**

**PATENT**  
**REEL: 064339 FRAME: 0009**

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**GORCZYCA, Matthew**

\_\_\_\_\_  
Signature

**MITCHELL, Mark James**

\_\_\_\_\_  
Signature

**McGINN, Patrick Henry**

\_\_\_\_\_  
Signature

**CAMPBELL, Michael Morgan**

Michael Campbell

\_\_\_\_\_  
Signature

Digitally signed by Michael Campbell  
DN: cn=CA,  
c=Michaelcampbell@hydroottawa.com,  
o=Hydro Ottawa, CN=Michael Campbell  
Location: Ottawa  
Date: 2022.12.19 11:06:33-05'00'

**BROWN, Matthew Douglas**

\_\_\_\_\_  
**Signature**

**HATCH LTD.**

By: Philadelphia Lala

\_\_\_\_\_  
Print Name

Title: General Counsel & Group Corporate Secretary

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Signature

**(I have authority to bind the Corporation)**

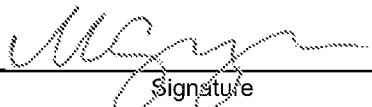
United States Provisional Patent Application filed **October 6, 2022**, having Serial Number **17/917,480**, relating to and entitled **DEVICE, SYSTEM AND METHOD FOR DETECTING LEAKAGE CURRENT FOR TRACTION POWER SYSTEM**

**PATENT**  
**REEL: 064339 FRAME: 0010**

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**GORCZYCA, Matthew**

2023-01-17

  
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Signature

**MITCHELL, Mark James**

\_\_\_\_\_  
Signature

**McGINN, Patrick Henry**

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Signature

**CAMPBELL, Michael Morgan**

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Signature

**BROWN, Matthew Douglas**

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**Signature**

**HATCH LTD.**

By: Philadelphia Lala  
\_\_\_\_\_  
Print Name

Title: General Counsel & Group Corporate Secretary  
\_\_\_\_\_

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Signature

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**PATENT**  
**REEL: 064339 FRAME: 0011**

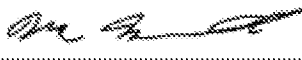
IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the dates set out below.

GORCZYCA, Matthew

\_\_\_\_\_  
Signature

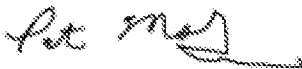
MITCHELL, Mark James

2022-12-06

  
\_\_\_\_\_  
Signature

McGINN, Patrick Henry

2022-11-18

  
\_\_\_\_\_  
Signature

CAMPBELL, Michael Morgan

\_\_\_\_\_  
Signature

BROWN, Matthew Douglas

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Signature

HATCH LTD.

By: Philadelphia Lala  
Print Name

Title: General Counsel & Group Corporate Secretary

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Signature

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CURRENT FOR TRACTION POWER SYSTEM**