

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FARAMARZ FAMIL SAMAVATI	03/11/2014
	ALI MAHDAVI-AMIRI	03/11/2014
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
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DATE SIGNED:	07/17/2019	
Total Attachments: 3		
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PATENT ASSIGNMENT

WHEREAS, **FARAMARZ FAMIL SAMAVATI**, whose full post office address is **5548 Dalhart Hill, Calgary, Alberta, T3A 1S9** and **ALI MAHDAVI-AMIRI**, whose full post office address is **99 Hawkley Valley Road, Calgary, Alberta, T3G 3B8**, (hereinafter "Assignors"), are the inventors of an invention, which is the subject of United States Provisional Patent Application entitled **DIGITAL EARTH SYSTEM FEATURING INTEGER-BASED CONNECTIVITY MAPPING OF APERTURE-3 HEXAGONAL CELLS**, filed under Serial No. 61/791,630 on March 15, 2013, and United States Patent Application entitled **DIGITAL EARTH SYSTEM FEATURING INTEGER-BASED CONNECTIVITY MAPPING OF APERTURE-3 HEXAGONAL CELLS**, filed under Serial No. 14/207,932 on March 13, 2014.

AND WHEREAS the **PYXIS innovation inc.** whose full post office address is **13 Windsor Street, Kingston, Ontario, K7M 4K4**, (hereinafter "the Assignee"), has acquired from the Assignors, the Assignors' entire right, title and interest in and to the invention, in all countries of the world, including the Assignors' rights to the Application, and all related applications thereon, including any and all, international, national and regional phase applications based on the Application, and other counterpart applications in all countries, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the Assignors hereby confirm that the Assignors have assigned, and does hereby sell and assign, transfer and set over to the Assignee, all of the Assignors' right, title and interest for Canada, the United States of America, its territories, dependencies and possessions, and for all other

countries in the world, in and to the invention, including the Assignors' rights to the Application, and all related applications and patents thereon, to be held and enjoyed by the Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this Assignment not been made.

The Assignors hereby confirm that the Application was made or was authorized to be made by themselves and that the Assignors believe themselves to be the original inventors or joint inventors of a claimed invention in the Application. The Assignors hereby acknowledge that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The Assignors shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the Application for the invention, and all related applications and patents thereon, in any and all countries, and to vest title thereto in the Assignee, its successors, assigns and legal representatives or nominees.

The Assignors authorize and empower the Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any of the Applications, and all related applications and patents thereon, filed by the Assignors or the Assignee, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from the Assignors.

The Assignors authorize and empower Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario M5H 3Y2, to insert on this Assignment any further identification,

including inserting the serial number of the patent application when available, to prepare any translation which may be necessary or desirable in order to comply with the rules for recordation of this document in any country and to correct any clerical error in this assignment.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any Letters Patent for the Application, and all related applications thereon, to the Assignee, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

SIGNED AT Calgary, Alberta, this 11 day of March, 2014.

K. Katabchi
Witness

F.F. Samavati
Faramarz Famil Samavati

SIGNED AT Calgary, Alberta this 11 day of March, 2014.

A. Molleji
Witness

Ali Mahdavi Amiri
Ali Mahdavi-Amiri