505118291 09/28/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN J. GARLAND	11/29/2013
GLEB SEKRETTA	12/02/2013

RECEIVING PARTY DATA

Name:	CLEARWATER SEAFOODS LIMITED PARTNERSHIP	
Street Address:	757 BEDFORD HWY.	
City:	BEDFORD, NOVA SCOTIA	
State/Country:	CANADA	
Postal Code:	B4A 3Z7	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16146235

CORRESPONDENCE DATA

Fax Number: (312)913-0002

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.

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Correspondent Name: MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP

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ATTORNEY DOCKET NUMBER: 15-1158-UC-CON		
NAME OF SUBMITTER:	A. BLAIR HUGHES	
SIGNATURE:	/A. Blair Hughes/	
DATE SIGNED:	09/28/2018	

Total Attachments: 6

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PATENT 505118291 REEL: 047009 FRAME: 0486

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DMW:jas 78648-57

ASSIGNMENT

WHEREAS, we, John J. Garland, citizen of Canada, and Gleb Sekretta, citizen-of Canada and Russia, residing at, respectively, 3151 Veith Street, Halifax, Nova Scotia, B3K 3G9, Canada and 3832 Memorial Drive, Halifax, Nova Scotia, B3K 6R6, Canada, (hereinafter referred to as the "Assignors"), have made certain inventions and discoveries disclosed in PCT International Application to be filed at the Canadian Receiving Office entitled IMAGING FOR DETERMINATION OF CRUSTACEAN PHYSICAL ATTRIBUTES, claiming priority from United States Provisional Application Nos. 61/761,417 filed February 6, 2013 and 61/964,698 filed November 15, 2013 (hereinafter referred to as the "Application");

AND WHEREAS, CLEARWATER SEAFOODS LIMITED PARTNERSHIP, whose full post office address is 757 Bedford Hwy., Bedford, Nova Scotia, B4A 3Z7, Canada, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions and discoveries, and in and to the Application inclusive of any and all priority rights derived therefrom for any and all countries in the world, and in and to any and all Letters Patent issuing in any and all countries in the world, to be granted for said inventions and discoveries based on said Application or on patent applications filed in any country;

NOW. THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the Assignors, do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions and discoveries disclosed in the Application, and in and to the Application and any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications

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and any continuations or divisions thereof filed in any country, and in and to all Letters Patent which may be granted upon the Application or upon patent applications filed in any and all countries in the world including the United States of America, and in and to any and all reissues, substitutions, or prolongations thereof: the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent, or reissues, substitutions, or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND we hereby agree that, upon request, and without further consideration, but at the expense of the Assignee, we will communicate to the Assignee or its representatives or nominees any facts known to us respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said inventions and discoveries in all countries, and we further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon application in any and all countries in the world.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid Application in any and all countries, and each and every reissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment.

THIS assignment made effective immediately.

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SIGNED this Flday of 1000	·2013.
4	- The Storland
WITNESS John L. Garland	John-Garland
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SIGNED this day of	1
WITNESS Glab Sakratta	

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ASSIGNMENT

WHEREAS, we, John J. Garland, citizen of Canada, and Gleb Sekretta, citizen of Canada and Russia, residing at, respectively, 3151 Veith Street, Halifax, Nova Scotia, B3K 3G9, Canada and 3832 Memorial Drive, Halifax, Nova Scotia, B3K 6R6, Canada, (hereinafter referred to as the "Assignors"), have made certain inventions and discoveries disclosed in PCT International Application to be filed at the Canadian Receiving Office entitled IMAGING FOR DETERMINATION OF CRUSTACEAN PHYSICAL ATTRIBUTES, claiming priority from United States Provisional Application Nos. 61/761,417 filed February 6, 2013 and 61/904,698 filed November 15, 2013 (hereinafter referred to as the "Application");

AND WHEREAS, CLEARWATER SEAFOODS LIMITED PARTNERSHIP, whose full post office address is 757 Bedford Hwy., Bedford, Nova Scotia, B4A 3Z7, Canada, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions and discoveries, and in and to the Application inclusive of any and all priority rights derived therefrom for any and all countries in the world, and in and to any and all Letters Patent issuing in any and all countries in the world, to be granted for said inventions and discoveries based on said Application or on patent applications filed in any country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the Assignors, do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions and discoveries disclosed in the Application, and in and to the Application and any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country, and in and to all Letters Patent which may be granted upon the Application or upon patent applications filed in any and all countries in the world including the United States of America, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent, or reissues, substitutions, or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND we hereby agree that, upon request, and without further consideration, but at the expense of the Assignee, we will communicate to the Assignee or its representatives or nominees any facts known to us respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said inventions and discoveries in all countries, and we further agree to execute

any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon application in any and all countries in the world.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid Application in any and all countries, and each and every reissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment.

THIS assignment made effective immediately.

SIGNED this day of	3
WITNESS	John J. Garland
SIGNED this 02 day of Doc	,20/3.
WITNESS	Gleb Sekretta

File Number: 78648-57

ACKNOWLEDGED AND ACCEPTED at Rober 115, this 3rd day of December, 2013.

Clearwater Seafoods Limited Partnership by its Managing General Partner CS ManPar Inc.

print name

title

PATENT REEL: 047009 FRAME: 0493

RECORDED: 09/28/2018