502147507 12/03/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
L. Mark Hewitt	11/02/2012

RECEIVING PARTY DATA

Name:	HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF ENVIRONMENT	
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City:	Gatineau	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13639539

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	201371-075560-US
NAME OF SUBMITTER:	David S. Resnick

Total Attachments: 2

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REEL: 029390 FRAME: 0043

PATENT 502147507

CONFIRMATORY ASSIGNMENT

WHEREAS, I, L. Mark HEWITT, whose full post office address is at 2008 Cavendish Drive, Burlington, Ontario, L7P 1Y7, Canada, have invented certain new and useful improvements in the invention or inventions entitled PROCESS FOR REFINING CHEMICALS FROM PULP AND PAPER MILL WASTEWATERS, and have disclosed the same in U.S. Provisional Application No. 61/321,582; PCT Application No. PCT/CA2011/000388; Canadian Application No. and U.S. Patent Application No. 13/639,539 (hereinafter the "Applications"); and

WHEREAS the said invention or inventions were made while I was employed as a Public Servant as defined in the *Public Servants Inventions Act* in the **Department of Environment** and, pursuant to Section 3 of that Act, the said invention or inventions have been determined to be vested in HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF ENVIRONMENT:

WHEREAS, HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF ENVIRONMENT, having a place of business at 1040 St. Joseph Blvd., Gatineau, Quebec, K1A 0H3, Canada (hereinafter called ASSIGNEE), is desirous of confirming HER acquisition of the entire right, title and interest in and to said invention or inventions and said Applications, and in and to any Letters Patents that may be granted therefor, and in and to all Conventions and Treaty rights of all kinds, in all countries throughout the world;

NOW, THEREFORE, by way of further assurances, for good and valuable consideration, I hereby confirm the transfer of any and all of my interest in and to said invention or inventions as of the invention date and in and to said Applications and any foreign equivalent thereof, together with the full and exclusive right, title and interest in and to all Conventions and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under International Conventions, Treaties or otherwise and, in and to all Letters Patent to be obtained for said subject matter by the above Applications or any continuation, division, continuation-in-part, extension, non-provisional or substitute thereof, including any corresponding right to claim priority from the said Applications in any country or jurisdiction, re-examination or extension of said Letters Patent.

And I do hereby authorize and request the Patent Offices throughout the world to issue any and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been held by me had this Assignment not been made.

PATENT REEL: 029390 FRAME: 0044 And I do hereby, for myself and for my legal representatives, covenant and agree with said ASSIGNEE, its successors and assigns, that I have granted to others no license to make, use or sell the said invention or inventions, that my right, title and interest in the said invention or inventions has not been encumbered, that my right, title and interest in the said invention or inventions is fully vested in said ASSIGNEE in accordance with Section 3 of the *Public Servants Inventions Act*, and that I will not execute any instrument in conflict herewith.

And I do hereby, for myself and for my legal representatives, covenant and agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention or inventions, and testify in any legal proceeding, sign all lawful papers, execute all papers relating to a continuation, division, continuation-in-part, extension, non-provisional or substitute thereof, including any corresponding right to claim priority from the Applications in any country or jurisdiction and any reissue, re-examination or extension of said Letters Patent, execute all necessary assignment papers to cause any and all of said Letters Patents to be issued to said ASSIGNEE, make all rightful oaths and affirmations, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention or inventions throughout the world.

The undersigned hereby grants the law firm of Gowling Lafleur Henderson LLP of 160 Elgin Street, Suite 2600, Ottawa, Ontario K1P 1C3, Canada the power to insert on this document any further identification, including appendices listing details of any Letters Patent or Patent Application for said invention or inventions, which may be necessary or desirable in order to comply with the rules of the Canadian Intellectual Property Office or rules of the Patent Offices throughout the world for recordation of this document.

> PATENT REEL: 029390 FRAME: 0045

RECORDED: 12/03/2012