

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark Trautman	11/07/2010
George Taylor	12/06/2010
Derik Ehresman	12/07/2010
Neil Edmunds	11/22/2010
Mauro Cimolai	11/19/2010

RECEIVING PARTY DATA

Name:	Harris Corporation
Street Address:	1025 West NASA Blvd.
City:	Melbourne
State/Country:	FLORIDA
Postal Code:	32919

Name:	Laricina Energy Ltd.
Street Address:	4100, 150-6th Avenue, SW
Internal Address:	West Tower, PetroCanada
City:	Calgary
State/Country:	CANADA
Postal Code:	T2P 3Y7

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12948671

CORRESPONDENCE DATA

Fax Number: (312)775-8100

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Email: eciner@mcandrews-ip.com

Correspondent Name: D.Jaskoviak/E.Ciner

501425018

PATENT  
REEL: 025736 FRAME: 0722

CH \$40.00 12948671

Address Line 1:	500 W. Madison
Address Line 2:	34th Floor
Address Line 4:	Chicago, ILLINOIS 60661

ATTORNEY DOCKET NUMBER:	2453-23394US01 (GCSD2340)
-------------------------	---------------------------

NAME OF SUBMITTER:	Dennis H. Jaskoviak Jr.
--------------------	-------------------------

**Total Attachments: 8**

source=23394US01\_HarrisAssign\_013111#page1.tif  
source=23394US01\_HarrisAssign\_013111#page2.tif  
source=23394US01\_HarrisAssign\_013111#page3.tif  
source=23394US01\_HarrisAssign\_013111#page4.tif  
source=23394US01\_HarrisAssign\_013111#page5.tif  
source=23394US01\_HarrisAssign\_013111#page6.tif  
source=23394US01\_LaricinaAssign\_013111#page1.tif  
source=23394US01\_LaricinaAssign\_013111#page2.tif

## ASSIGNMENT

WHEREAS, I, George Taylor of Renton, Washington, a citizen of the United States of America, (hereinafter referred to as "ASSIGNOR"), am the inventor of certain invention or improvements in the U.S. Patent Application No. 12/948,671, entitled, "Effective Solvent Extraction System Incorporating Electromagnetic Heating", with the attorney docket number 23394US01 (GCSD-2340); and

WHEREAS, Harris Corporation, having its principal place of business at 1025 West NASA Boulevard, Melbourne, Florida 32919-0001 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the ASSIGNOR's entire right title and interest in and to said invention or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof:

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR hereby sells and assigns to the ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as the ASSIGNOR's interests are concerned, to the ASSIGNEE.

The ASSIGNOR also hereby sells and assigns to the ASSIGNEE, its successors and assigns, the foreign rights to the invention disclosed in said application, in all patent-granting countries of the world, including the right to file applications and obtain patents for said invention in the ASSIGNOR's own name in said countries and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, and the ASSIGNOR further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

The ASSIGNOR also hereby agrees, at the request and expense of the ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries.

The ASSIGNOR also hereby grants the registered patent practitioners associated with Customer Number 77803 of the United States Patent and Trademark Office jointly, and each of them severally, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

George Taylor 12/6/10  
George Taylor Date

STATE OF FLORIDA )

COUNTY OF \_\_\_\_\_ )

Before me on this \_\_\_\_\_ day of \_\_\_\_\_, came **George Taylor**, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.

\_\_\_\_ Personally known  
\_\_\_\_ Produced identification

Identification: \_\_\_\_\_

\_\_\_\_\_  
Notary Signature  
Print, type or stamp name of notary  
(Seal)

**STATE OF WASHINGTON,**

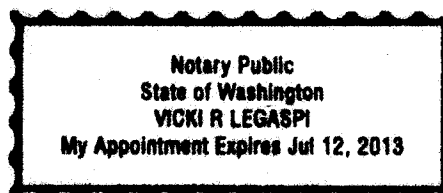
County of King

I certify that I know or have satisfactory evidence that

George T. Taylor  
Is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated this 6<sup>th</sup> day of December 2010

Vicki R. Legaspi  
Printed Name VICKI R. LEGASPI  
Notary public in and for the state of WA  
My appointment expires JUL. 12. 2013



produced WA STATE DRIVER LICENSE  
# TAYLOGT375 LG. exp. 0/25/2014

## ASSIGNMENT

WHEREAS, I, Mark Trautman of Melbourne, Florida, a citizen of the United States of America, (hereinafter referred to as "ASSIGNOR"), am the inventor of certain invention or improvements in the U.S. Patent Application No. 12/948,671, entitled, "Effective Solvent Extraction System Incorporating Electromagnetic Heating", with the attorney docket number 23394US01 (GCSD-2340); and

WHEREAS, Harris Corporation, having its principal place of business at 1025 West NASA Boulevard, Melbourne, Florida 32919-0001 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the ASSIGNOR's entire right, title and interest in and to said invention or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof:

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR hereby sells and assigns to the ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as the ASSIGNOR's interests are concerned, to the ASSIGNEE.

The ASSIGNOR also hereby sells and assigns to the ASSIGNEE, its successors and assigns, the foreign rights to the invention disclosed in said application, in all patent-granting countries of the world, including the right to file applications and obtain patents for said invention in the ASSIGNOR's own name in said countries and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, and the ASSIGNOR further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

The ASSIGNOR also hereby agrees, at the request and expense of the ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries.

The ASSIGNOR also hereby grants the registered patent practitioners associated with Customer Number 77803 of the United States Patent and Trademark Office jointly, and each of them severally, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Mark Trautman

Mark Trautman

11/7/2010

Date

STATE OF FLORIDA )

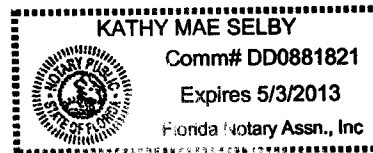
COUNTY OF BREVARD )

Before me on this 7<sup>th</sup> day of December, 2010, came **Mark Trautman**, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.

☐ Personally known  
☒ Produced identification

Identification: Fl. Drivers License  
#T635-541-70-470-0

Kathy Selby  
Notary Signature  
Print, type or stamp name of notary  
(Seal)



## ASSIGNMENT

WHEREAS, I, Derik Ehresman of Indialant c, Florida, a citizen of the United States of America, (hereinafter referred to as "ASSIGNOR"), am the inventor of certain invention or improvements in the U.S. Patent Application No. 12/948,671, entitled, "Effective Solvent Extraction System Incorporating Electromagnetic Heating", with the attorney docket number 23394US01 (GCSD-2340); and

WHEREAS, Harris Corporation, having its principal place of business at 1025 West NASA Boulevard, Melbourne, Florida 32919-0001 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the ASSIGNOR's entire right, title and interest in and to said invention or improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof:

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the ASSIGNOR hereby sells and assigns to the ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as the ASSIGNOR's interests are concerned, to the ASSIGNEE.

The ASSIGNOR also hereby sells and assigns to the ASSIGNEE, its successors and assigns, the foreign rights to the invention disclosed in said application, in all patent-granting countries of the world, including the right to file applications and obtain patents for said invention in the ASSIGNOR's own name in said countries and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, and the ASSIGNOR further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

The ASSIGNOR also hereby agrees, at the request and expense of the ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries.

The ASSIGNOR also hereby grants the registered patent practitioners associated with Customer Number 77803 of the United States Patent and Trademark Office jointly, and each of them severally, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Derik Ehresman  
Derik Ehresman

Dec. 07, 2010  
Date

STATE OF FLORIDA )  
COUNTY OF BREVARD )

Before me on this 7<sup>th</sup> day of December, 2010, came **Derik Ehresman**, to me known to be the person named in the foregoing assignment and he/she acknowledges his/her execution thereof to be his/her free act and deed.

☐ Personally known  
☒ Produced identification

Identification: FL DR License

EL625-178-55-384-0

Kathy Selby  
Notary Signature  
Print, type or stamp name of notary  
(Seal)





Assignment - World - application

## ASSIGNMENT (World)

WHEREAS,

**Neil EDMUNDS and Mauro CIMOLAI**

hereinafter referred to as the "Assignors", whose full post office addresses are

**4100, 1500-6th Avenue SW, Calgary, Alberta T2P 3Y7, Canada**

**65 Arbour Butte Road, NW, Calgary, Alberta T3G 4L0, Canada**

have made an invention relating to and entitled:

**Effective Solvent Extraction System Incorporating Electromagnetic Heating**

hereinafter referred to as the "Invention", as fully set forth and described in applications for Letters Patent identified as:

Country	Application Number	Filing Date
U.S.A.	12/948,671	November 17, 2010
WO	PCT/US2010/057090	November 17, 2010

hereinafter referred to as the "Applications";

AND WHEREAS,

**Laricina Energy Ltd.**

hereinafter referred to as the "Assignee", whose full post office address is

**4100, 150 - 6<sup>th</sup> Avenue, SW, West Tower, PetroCanada, Calgary, AB, T2P 3Y7,  
Canada**


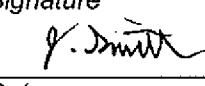
desires to acquire the Assignor's entire right, title and interest in and to the Invention and the Applications;

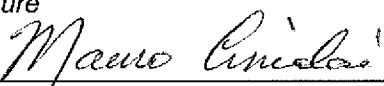
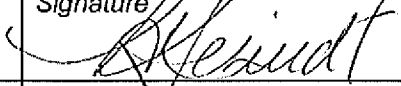
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors confirm that they have, as of at least November 17, 2010 sold, assigned, transferred and set over, and for greater certainty, do hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, their entire right, title and interest for Canada, the United States and all other countries throughout the World in and to the Invention, together with their entire right, title and interest in and to the Applications and any and all Letters Patent that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the

Applications, to the full end of the term for which each said Letters Patent may be granted, and including any right to claim priority based on the Applications, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignors had this Assignment not been made;

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for the Invention and vest the same in the Assignee, its successors, assigns, or legal representatives.

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby authorize the Assignee, its successors, assigns, or legal representatives, including its Patent Agents, Blake, Cassels & Graydon LLP, to amend this assignment to insert or correct the filing date, serial number or other identifying information of the Applications as may be needed to record this assignment.

Assignor 1	Witness
Name <b>Neil EDMUNDS</b>	Name <b>GASON SMITH</b>
Signature 	Signature 
Date <b>Nov. 22, 2010</b>	Date <b>Nov. 22, 2010</b>

Assignor 2	Witness
Name <b>Mauro CIMOLAI</b>	Name <b>Melanie Schmidt</b>
Signature 	Signature 
Date <b>November 19/2010</b>	Date <b>Nov 19/10</b>