## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Murray S. Pearson	07/04/2012
Umesh Vinodchandra Shah	07/06/2012
Atanasis Plikas	06/26/2012

#### **RECEIVING PARTY DATA**

Name:	Hatch Ltd.
Street Address:	2800 Speakman Drive
City:	Mississauga, Ontario
State/Country:	CANADA
Postal Code:	L5K 2R7

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13439170

### **CORRESPONDENCE DATA**

**Fax Number**: 4123556501 **Phone**: 412-355-8382

Email: PIUSPATENTS@KLGATES.COM

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: K&L Gates LLP - Robert J. Toth

Address Line 1: K&L Gates Center
Address Line 2: 210 Sixth Avenue

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	120113PCTUS
NAME OF SUBMITTER:	Robert J. Toth

Total Attachments: 6

PATENT REEL: 028669 FRAME: 0089 \$40.00

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> PATENT REEL: 028669 FRAME: 0090

Attorney's Docket No. 120113PCTUS	PATENT
	For: ⊠ U.S. and/or ☐ Foreign Rights For: ☑ U.S. Application or
	U.S. Provisional Application
	For: U.S. Patent
	For: PCT Application  By: Multiple Inventors
ASSIGNMENT OF INVE	NTION (MULTIPLE INVENTORS)
In consideration of the payment by ASSIGNI receipt of which is hereby acknowledged, and fo	EE to ASSIGNOR of the sum of One Dollar (\$1.00), the rother good and valuable consideration,
ASSIGNORS (Inventors):	
	1329 Heritage Way
Murray S. Pearson (type or print name of inventors)	Oakville, Ontario L6M 3C9, CA CA (Address) (Nationality)
type or print name or invarious)	(*************************************
	24 Young Drive
Umesh Vinodchandra Shah	Brampton, Ontario L6Y 0P4, CA CA
(type or print name of inventors)	(Address) (Nationality)
	1909-1359 Rathburn Road East
Atanasis Plikas (type or print name of inventors)	Mississauga, Ontario L4W 5P7, CA CA (Address) (Nationality)
*	
hereby sells, assigns and transfers to	
ASSIGNEE:	
Hatch Ltd.	2800 Speakman Drive
(type or print name(s) of ASSIGNEE(S))	(Address)
(a Canadian Corporation) (Nationality)	Mississauga, Ontario L5K 2R7, CA
and the successors, assigns and legal represen	tatives of the ASSIGNEE -
★ the entire right, title and interest	
and in all foreign countries, including all foreign countries, in and to any and all imp	g all rights to claim priority both in the United States and in provements which are disclosed in the invention entitled:
FLASH TUBE AND FLASH VESSEL	CONFIGURATION FOR PRESSURE LETDOWN
and which is found in:	
(a) U.S. patent application executed	on even date herewith;
(h) [X] (1 S. application no : 13/439 170	filed on APRIL 4, 2012

(Assignment of Invention-Multiple Inventors-page 1)

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Murray S. Pearson	muralizara	4 JUL 12
(type name of inventor)	Signature of NVANTOR	Date
Umesh Vinodchandra Shah	Signature of INVENTOR	Dale
(type name of inventor)	ordinamis or maciatory	Cate
Atanasis Pilkas		
(type name of Inventor)	Signature of INVENTOR	Date
Notarization or Les	galization Page Added.	
( to be made ) to see	gammeson cago consu	
NOTE: No witnessing, notarization or legalization is necessary.	if the assignment is notarized or legalized, the	ed viao liiw ti ne

prima facie evidence of execution. 35 USC 251. Use next page if notarization is desired.

(Assignment of Invention-Multiple Inventors-page 2)

	Θ.
Attorney's Docket No. 120113PCTUS	PATENT
	For: ⊠ U.S. and/or ☐ Foreign Rights
	For: 🖾 U.S. Application or
	☐ U.S. Provisional Application For: ☐ U.S. Patent
	For: PCT Application
	By: Multiple Inventors
ASSIGNMENT OF INV	ENTION (MULTIPLE INVENTORS)
In consideration of the payment by ASSIGN receipt of which is hereby acknowledged, and f	NEE to ASSIGNOR of the sum of One Dollar (\$1.00), the for other good and valuable consideration,
ASSIGNORS (Inventors):	
	1329 Heritage Way
Murray S. Pearson	Oakville, Ontario L6M 3C9, CA CA (Address) (Nationality)
(type or print name of inventors)	(Modess) (Manually)
	24 Young Drive
Umesh Vinodchandra Shah	Brampton, Ontario L6Y 0P4, CA CA
(type or print name of Inventors)	(Address) (Nationality)
	1909-1359 Rathburn Road East
Atanasis Plikas (type or print name of inventors)	Mississauga, Ontario L4W 5P7, CA CA (Address) (Nationality)
hereby sells, assigns and transfers to	
ASSIGNEE:	
Hatch Ltd.	2800 Speakman Drive
(type or print name(s) of ASSIGNEE(S))	(Address)
(a Canadian Corporation) (Nationality)	Mississauga, Ontario L5K 2R7, CA
and the successors, assigns and legal represe	entatives of the ASSIGNEE .
the entire right, title and interest	¥
	ing all rights to claim priority both in the United States and in approvements which are disclosed in the invention entitled:
FLASH TUBE AND FLASH VESSEL	. CONFIGURATION FOR PRESSURE LETDOWN
and which is found in:	
(a) U.S. patent application execute	ed on even date herewith;
(b) ⊠ U.S. application no.: 13/439,17	0 filed on APRIL 4, 2012

(Assignment of Invention-Multiple Inventors-page 1)

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

(type name of inventor)	Signature of JNVE/JJOR	Date	
Umesh Vinodchandra Shah (type name of Inventor)	Signature of INVENTOR	JU14 0 6 /20 1/2	
Atanasis Plikas (type name of inventor)	Signature of INVENTOR	Date	
☐ Notarization or Legalization Page Added.			

NOTE: No witnessing, noterization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facile evidence of execution. 35 USC 261. Use next page if notarization is desired.

Attorney's Docket No. 120113PCTUS	PATENT
Fo Fo Fo	r: ⊠ U.S. and/or ☐ Foreign Rights r: ☑ U.S. Application or ☐ U.S. Provisional Application r: ☐ U.S. Patent r: ☐ PCT Application r: Multiple Inventors
ASSIGNMENT OF INVENTI	ON (MULTIPLE INVENTORS)
In consideration of the payment by ASSIGNEE treceipt of which is hereby acknowledged, and for other	to ASSIGNOR of the sum of One Dollar (\$1.00), the her good and valuable consideration,
ASSIGNORS (Inventors):	
Murray S. Pearson (type or print name of inventors)	1329 Heritage Way Oakville, Ontario L6M 3C9, CA (Address) (Nationality)
Umesh Vinodchandra Shah (type or print name of inventors)	24 Young Drive Brampton, Ontario L6Y 0P4, CA CA (Address) (Nationality)
Atanasis Plikas (type or print name of inventors)	1909-1359 Rathburn Road East  Mississauga, Ontario L4W 5P7, CA CA  (Address) (Nationality)
hereby sells, assigns and transfers to	
ASSIGNEE:	
Hatch Ltd. (type or print name(s) of ASSIGNEE(S))	2800 Speakman Drive (Address)
(a Canadian Corporation) (Nationality)	Mississauga, Ontario L5K 2R7, CA
and the successors, assigns and legal representativ	ves of the ASSIGNEE
★ the entire right, title and interest	
and in all foreign countries, including all all foreign countries, in and to any and all improve	l rights to claim priority both in the United States and in ements which are disclosed in the invention entitled:
FLASH TUBE AND FLASH VESSEL CO	VFIGURATION FOR PRESSURE LETDOWN
and which is found in:	
(a) U.S. patent application executed on	even date herewith;
(b) 🛛 U.S. application no.: 13/439,170 file	d on <u>APRIL 4, 2012</u>

(Assignment of Invention-Multiple Inventors-page 1)

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

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IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Murray S. Pearson (type name of Inventor)	Signature of INVENTOR	Date
Umesh Vinodchandra Shah (type name of Inventor)	Signature of INVENTOR	Date
Atanasis Plikas (type name of Inventor)	Signature of INVENTOR	Jowy 26, 2012 Date
Notarization or	Legalization Page Added.	
NOTE: No witnessing, notarization or legalization is necessary		n it will only be

(Assignment of Invention-Multiple Inventors-page 2)