

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Francesco MASCARELLO	10/31/2011
Philipp RUDOLF VON ROHR	11/08/2011
Cedric HUTTER	11/15/2011
David RUPPEN	10/28/2011

RECEIVING PARTY DATA

Name:	ETH ZURICH
Street Address:	Raemistrasse 101, Hg E-43-49
City:	Zurich
State/Country:	SWITZERLAND
Postal Code:	CH-8092

Name:	PREMEX REACTOR AG
Street Address:	Industriestrasse 11
City:	Lengnau
State/Country:	SWITZERLAND
Postal Code:	CH-2543

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13376266

CORRESPONDENCE DATA

Fax Number: (703)816-4100  
Phone: 703-816-4000  
Email: jam@nixonvan.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: NIXON & VANDERHYE, PC

OP \$40.00 13376266

501744632

PATENT  
REEL: 027330 FRAME: 0208

Address Line 1: 901 NORTH GLEBE ROAD, 11TH FLOOR  
Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER:	BHD-4662-2002
-------------------------	---------------

NAME OF SUBMITTER:	Bryan H. Davidson
--------------------	-------------------

<p>Total Attachments: 8 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif source=ASSIGNMENT#page3.tif source=ASSIGNMENT#page4.tif source=ASSIGNMENT#page5.tif source=ASSIGNMENT#page6.tif source=ASSIGNMENT#page7.tif source=ASSIGNMENT#page8.tif</p>
---

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Francesco MASCARELLO**  
**Philipp VON ROHR RUDOLF**  
**Cédric HUTTER**  
**David RUPPEN**

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **ETH ZURICH**

(Address) of Raemistrasse 101, Hg E-43-49, Zurich, Switzerland CH-8092

(Assignee) **PREMEX REACTOR AG**

(Address) of Industriestrasse 11, Lengnau, Switzerland CH-2543

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Title) **DEVICE FOR PROCESSING AND CONDITIONING OF MATERIAL TRANSPORTED THROUGH THE DEVICE (Case No. 4662-2002)**

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed in

U.S. appln. Serial No. To be assigned, filed on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

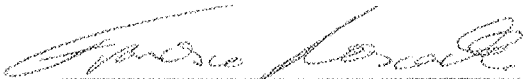
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date	<u>31.10.2011</u>	Signature of inventor	 _____ Francesco MASCARELLO
Date	_____	Signature of inventor	_____ Philipp VON ROHR RUDOLF
Date	_____	Signature of inventor	_____ Cédric HUTTER
Date	_____	Signature of inventor	_____ David RUPPEN

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) Francesco MASCARELLO  
 Philipp ~~VON ROHR~~ ~~RUDOLF~~ ~~RUDOLF VON ROHR~~ *vk 8.11.2011*  
 Cédric HUTTER  
 David RUPPEN

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) ETH ZURICH

(Address) of Raemistrasse 101, Hg E-43-49, Zurich, Switzerland CH-8092

(Assignee) PREMEX REACTOR AG

(Address) of Industriestrasse 11, Lengnau, Switzerland CH-2543

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other  
Countries)

in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Title) DEVICE FOR PROCESSING AND CONDITIONING OF MATERIAL TRANSPORTED THROUGH THE DEVICE (Case No. 4662-2002)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed in

U.S. appln. Serial No. To be assigned, filed on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____	Signature of inventor _____	_____ Francesco MASCARELLO
Date <u>Nov. 8. 2011</u>	Signature of inventor _____	<u><i>Philipp v. Rohr</i></u> Philipp VON-ROHR-RUDOLF vR 18.11.2011 RUDOLF VON ROHR
Date _____	Signature of inventor _____	_____ Cédric HUTTER
Date _____	Signature of inventor _____	_____ David RUPPEN

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Francesco MASCARELLO**  
**Philipp VON ROHR RUDOLF**  
**Cédric HUTTER**  
**David RUPPEN**

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **ETH ZURICH**  
 (Address) **of Raemistrasse 101, Hg E-43-49, Zurich, Switzerland CH-8092**  
 (Assignee) **PREMEX REACTOR AG**  
 (Address) **of Industriestrasse 11, Lengnau, Switzerland CH-2543**  
 (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) **in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as**  
 (Title) **DEVICE FOR PROCESSING AND CONDITIONING OF MATERIAL TRANSPORTED THROUGH THE DEVICE (Case No. 4662-2002)**  
 for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed in U.S. appln. Serial No. To be assigned, filed on .  
 The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

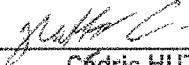

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____	Signature of inventor _____	_____
		Francesco MASCARELLO
Date _____	Signature of inventor _____	_____
		Philipp VON ROHR RUDOLF
Date <u>15.11.2011</u>	Signature of inventor _____	_____
		 Cédric HUTTER
		<u>15.11.2011</u> 
Date _____	Signature of inventor _____	_____
		David RUPPEN



# ASSIGNMENT OF PATENT APPLICATION

(Inventors) **Francesco MASCARELLO**  
**Philipp VON ROHR RUDOLF**  
**Cédric HUTTER**  
**David RUPPEN**

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) **ETH ZURICH**

(Address) of Raemistrasse 101, Hg E-43-49, Zurich, Switzerland CH-8092

(Assignee) **PREMEX REACTOR AG**

(Address) of Industriestrasse 11, Lengnau, Switzerland CH-2543

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other  
Countries)

in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as

(Title) **DEVICE FOR PROCESSING AND CONDITIONING OF MATERIAL TRANSPORTED THROUGH THE DEVICE (Case No. 4662-2002)**

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on or has already filed in

U.S. appln. Serial No. To be assigned, filed on

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

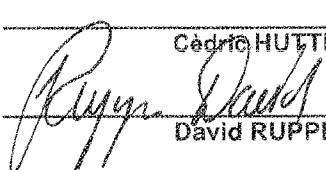
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date _____	Signature of inventor _____	_____ Francesco MASCARELLO
Date _____	Signature of inventor _____	_____ Philipp VON ROHR RUDOLF
Date _____	Signature of inventor _____	_____ Cedric HUTTER
Date <u>28. Oct. 2011</u>	Signature of inventor _____	 _____ David RUPPEN