

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Marc GRIMME</td><td>01/16/2008</td></tr><tr><td>Jean-Marc PARQUET</td><td>01/16/2008</td></tr><tr><td>Alain CARPENTIER</td><td>01/16/2008</td></tr><tr><td>Claude WARTELLE</td><td>01/16/2008</td></tr></tbody></table>	Name	Execution Date	Marc GRIMME	01/16/2008	Jean-Marc PARQUET	01/16/2008	Alain CARPENTIER	01/16/2008	Claude WARTELLE	01/16/2008	
Name	Execution Date										
Marc GRIMME	01/16/2008										
Jean-Marc PARQUET	01/16/2008										
Alain CARPENTIER	01/16/2008										
Claude WARTELLE	01/16/2008										
RECEIVING PARTY DATA											
Name:	GROUPEMENT COEUR ARTIFICIEL TOTAL CARPENTIER MATRA CARMAT										
Street Address:	37 Avenue Louis Breguet										
City:	Velizy Villacoublay										
State/Country:	FRANCE										
Postal Code:	78140										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12294585</td></tr></tbody></table>	Property Type	Number	Application Number:	12294585							
Property Type	Number										
Application Number:	12294585										
CORRESPONDENCE DATA											
Fax Number:	(202)659-1559										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	2026596960										
Email:	jledbetter@dickinsonwright.com										
Correspondent Name:	James E Ledbetter										
Address Line 1:	1901 L Street, NW										
Address Line 2:	SUITE 800										
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20036										
ATTORNEY DOCKET NUMBER:	073070-08160										
NAME OF SUBMITTER:	James E. Ledbetter										
Total Attachments: 1											

OP \$40.00 12294585

500658387

PATENT
REEL: 021587 FRAME: 0909

ASSIGNMENT

Serial No. 12/294,585Filed September 25, 2008Title Rotary displacement pump with smaller radial dimensions.For one dollar

The receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to
GROUPEMENT COEUR ARTIFICIEL TOTAL CARPENTIER MATRA CARMAT
 residing at 37 Avenue Louis Breguet - 78140 VELIZY VILLACOUBLAY - France

its successors and assigns. The entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on January 16, 192008 and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said assignee GROUPEMENT COEUR ARTIFICIEL TOTAL CARPENTIER MATRA CARMAT

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment; and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the said considerations the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in interference, to co-operate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands and seals this 16th day of January,
 Nineteen Hundred and 2008

GRIMME MARC (SEAL)
 GRIMME Marc

State of _____ }
 County of _____ } ss.

PARQUET Jean Marc (SEAL)
 PARQUET Jean-Marc

Carpentier Alain
 CARPENTIER Alain

WARTELLE Claude (SEAL)
 WARTELLE Claude

On this _____ day of _____, 19____, before me, a Notary Public in and

for the County and State aforesaid, appeared _____

to me personally known to be the same persons whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

My commission Expires _____

PATENT Public