

PATENT ASSIGNMENT

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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>Gerald AIGOUY</td> <td>04/19/2012</td> </tr> <tr> <td>James BUTTERWORTH</td> <td>04/19/2012</td> </tr> <tr> <td>Benoit DEBRAY</td> <td>04/19/2012</td> </tr> <tr> <td>Jean-Christophe REY</td> <td>04/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gerald AIGOUY	04/19/2012	James BUTTERWORTH	04/19/2012	Benoit DEBRAY	04/19/2012	Jean-Christophe REY	04/19/2012
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude</td> </tr> <tr> <td>Street Address:</td> <td>75 Quai d'Orsay</td> </tr> <tr> <td>City:</td> <td>Paris</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>75007</td> </tr> </table>		Name:	L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude	Street Address:	75 Quai d'Orsay	City:	Paris	State/Country:	FRANCE	Postal Code:	75007
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PROPERTY NUMBERS Total: 1											
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Application Number:	13462390										
CORRESPONDENCE DATA											
Fax Number:	(713)624-8950										
Phone:	713-624-8953										
Email:	Camela.Hill@airliquide.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	American Air Liquide, Inc. Intellectual										
Address Line 1:	2700 Post Oak Boulevard										
Address Line 2:	Suite 1800										
Address Line 4:	Houston, TEXAS 77056										
ATTORNEY DOCKET NUMBER:	SERIE 8853										
NAME OF SUBMITTER:	Christopher J. Cronin										
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif											

CH \$40.00 13462390

Assignment of Invention

WHEREAS WE, **Gérald AIGOUY, James BUTTERWORTH, Benoit DEBRAY and Jean-Christophe REY**, respectively, have invented certain new and useful improvements in "**Linear electrodynamic-type motor, cryocooler including such a motor and method implementing such a motor**", for which an application for Letters Patent was filed on May 2, 2012, having Application No. 13/462,390;

WHEREAS, **L'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude**, a French corporation, having offices at 75 quai d'Orsay, Paris, FRANCE 75007 (hereinafter referred to as "ASSIGNEE"), desires to acquire from **Gérald AIGOUY, James BUTTERWORTH, Benoit DEBRAY and Jean-Christophe REY**, the entire right, title and interest we have in and to said invention and in and to any Letters Patent that may be granted thereof in the United States and its territorial possessions;

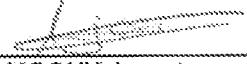
NOW, THEREFORE, for valuable consideration, the receipt whereof is hereby acknowledged, we, by these presents do sell, assign and transfer unto said ASSIGNEE, effective as of the first priority date, the full and exclusive right to the said invention in the United States and its territorial possessions, including the right to claim priority of the above-mentioned patent application(s) in patent applications filed in or for any such foreign country, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions, and in and to any and all subsequent provisionals, non-provisionals, divisions, reissues, continuations, substitutions and renewals thereof.

We hereby authorize and request the Patent Office Officials in the United States and its territorial possessions to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of 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 by me had this Assignment and sale not been made.

Further, we agree that we will communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all non-provisional, divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions.


The undersigned hereby grants authorized representatives of the above identified ASSIGNEE 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 and Trademark Office for recordation of this document.

Date: 19/04/2012



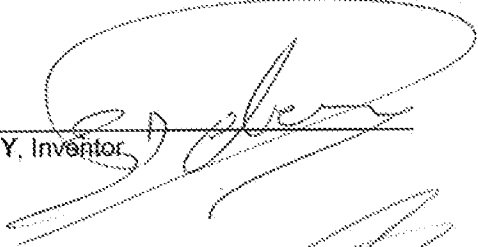
 Gérald AIGOUY, Inventor

Date: 15/04/2012

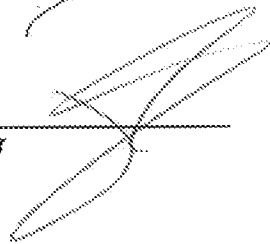


 James BUTTERWORTH, Inventor

Date: 19/04/2012


Benoit DEBRAY, Inventor

Date: 19/06/2012


Jean-Christophe REY, Inventor