

PATENT ASSIGNMENT

Electronic Version v1.1

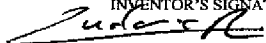

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Ludovic Raynal | 08/19/2009 |
| Pascal Alix | 08/19/2009 |
| RECEIVING PARTY DATA | |
| Name: | IFP |
| Street Address: | 1-4 Avenue de Bois Preau |
| City: | RUEIL MALMAISON CEDEX |
| State/Country: | FRANCE |
| Postal Code: | 92852 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12530528 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 612.50166X00 |
| NAME OF SUBMITTER: | Donald E. Stout |
| Total Attachments: 1 source=Assignment#page 1.tif | |

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PATENT
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| ASSIGNMENT | | | | ATTY. DOCKET NO.: |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------|
| WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to | | | | |
| GARNISSAGE STRUCTURE HAUTE PERFORMANCE POUR COLONNE DE MISE EN CONTACT DE FLUIDES ET METHODE DE FABRICATION | | | | |
| for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date. | | | | |
| for which U.S. Application Serial No. | | for Letters Patent was filed in the U.S. Patent and Trademark Office on | | |
| | | | | |
| for which an International Application was filed on | 5 March 2008 | as | PCT/FR2008/00/0291 | designating the United States. |
| AND WHEREAS | IFP 1-4 Avenue de Bois Préau 92852 RUEIL MALMAISON CEDEX | | | |
| hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof. | | | | |
| NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made. | | | | |
| AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon. | | | | |
| AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith. | | | | |
| The undersigned hereby grant(s) the law firm of Antonelli, Terry, Stout, Kraus, LLP 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. | | | | |
| IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR. | | | | |
| 201 | FULL NAME OF SOLE OR FIRST NAMED INVENTOR RAYNAL Ludovic | INVENTOR'S SIGNATURE  | DATE 08.19.09 | |
| 202 | FULL NAME OF SECOND JOINT INVENTOR ALIX Pascal | INVENTOR'S SIGNATURE  | DATE 08.19.09 | |

PATENT

RECORDED: 03/05/2010

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