09-13-2002

ATTORNEY DOCKET: 065119.0199 Sheet 1 of 2 FORM PTO 1595 U.S. DEPARTMENT OF COMMERCE 1 - 31 - 92Patent and Trademark Office 102220730 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof 1. Name and Address of Conveying Party(ies) INDIVIDUAL: Name and Address of receiving Party(ies): Zakaria (nmi) Maouche VAREL INTERNATIONAL, IN Name: 4 Rue Jules Supervielle Résidence Beauregard - Hall 2.64000 Street Address: 1434 Patton, Suite 106 Pau. France City: Carrollton Individual Citizenship: Algerian State: Texas Zip: 75007 Additional name(s) of conveying party(ies) attached? No ge of conveyance: Assignment Merger Change of Name Security Agreement Other Additional name(s) & Address(es) attached? Execution Date: August 12, 2002 (Dourfaye); August 26, 2002 (Maouche and Gallego) 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: : August 12, 2002 (Dourfaye, August 26, 2002 (Maouche and Gallego) A. Patent Application No.(s): B. Patent No.(s): Additional Numbers Name and address of party to whom correspondence concerning Total number of application and patents involved: One document should be mailed to: Total Fee (37C.F.R. 3.41): \$40.00 Name: Harold E. Meier Interna Address: BAKER BOTTS L.L.P. Enclosed Street Address: 2001 Ross Avenue, Suite 600 Authorized to be charged to deposit account City: Dallas State: Texas Zip 75201-2980 Deposit Account Number: (Attach Duplicate Copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Harold E. Meier September 4, 2002 Date Total number of pages including cover sheet OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information: 12/2002 LIMBELLER 00000226 10235690 Commissioner of Patents and Trademarks Box Assignments FC:581 Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

DAL01:693728.1

PATENT REEL: 013270 FRAME: 0403 Attorney's Docket: 065119.0199 Sheet 2 of 2

FORM PTO-1595 A'TTACHMENT

1. Name of Conveying Parties - Continued - ALL INDIVIDUALS

Alfazazi (nmi) Dourfaye 3 rue Alexandre Dumas 75011 Paris France Citizenship: Niger

Gilles J-P Gallego 17 rue du Bois du Commandeur 65420 Ibos, France Citizenship: French

DAL01:693'728.1 PATENT
REEL: 013270 FRAME: 0404

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Varel International, Inc. (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 1434 Patton, Suite 106, Carrollton, Texas 75007, desires to acquire my entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

DAL01:669220.1

PATENT REEL: 013270 FRAME: 0405 2

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:	SPIRAL WAVE BLADED DRAG BIT
Signature of Inventor: Inventor's Name:	Zakaria (nmi) Maouche
Residence (City, County, State):	4 Rue Jules Supervielle Résidence Beauregard – Hall 2. 64000 Pau, France
Date Assignment Executed:	26/08/2002
Date Application Executed:	26/08/2002
Signature of Joint Inventor: Inventor's Name:	Alfazazi (nmi) Dourfaye
Residence (City, County, State):	3 rue Alexandre Dumas 75011 Paris, France
Date Assignment Executed:	12/8/2022
Date Application Executed:	12/8/2002

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Signature of Joint Inventor:

Inventor's Name:

Gilles J-P Gallego

Residence (City, County, State):

17 rue du Bois du Commandeur 65420

Ibos, France

Date Assignment Executed:

Date Application Executed:

DAL01:669220.1

PATENT RECORDED: 09/04/2002 REEL: 013270 FRAME: 0407