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04-07-2000



FILE NO. A32827-PCT-USA-A-070337.0168

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

101307572

To the Honorable Commissioner of Patents and Trademarks, Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): PHILIPPE ESNAULT  
and JEAN-CLAUDE AUBRY

Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies)

Name: MICHELIN RECHERCHE ET TECHNIQUE  
S.A.

Address: Route Louis Braille 10 et 12

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

Other \_\_\_\_\_

City: Granges-Paccot State: Switzerland Zip: CH-1763

Additional name(s) and address(es) attached?  
 Yes  No

Execution Date: February 08, 2000

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 \_\_\_\_\_

A. Patent Application No.(s)  
S/N 09/454,639

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Frederick C. Carver

BAKER BOTTS L.L.P.

Address: 30 Rockefeller Plaza - 44 Fl.

City: New York State: NY Zip: 10112

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

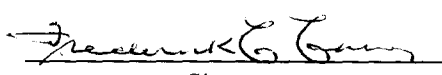
Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
02-4377  
(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 instrumentation is true and correct and any attached copy is a true copy of the original document.*

Frederick C. Carver  February 29, 2000

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: 4

04/07/2000 DNGUYEN 00000005 09454639

01 FC:581

40.00 OP

PATENT  
REEL: 010656 FRAME: 0946

A S S I G N M E N T

WHEREAS, WE, PHILIPPE ESNAULT and JEAN-CLAUDE AUBRY, citizens of France, residing in whose post office addresses are 27, Rue Sidoine-Appolinaire, F-63100 Clermont-Ferrand, France and 6 Pair, Allée des Marroniers, F-63100 Clermont-Ferrand, France, respectively, have made an invention entitled "THERMOTROPIC AROMATIC POLYESTER(AMIDE) MONOFILAMENT" as set forth and described in application for Letters Patent of the United States, Serial No.09/454,639, filed December 6, 1999; and

WHEREAS, MICHELIN RECHERCHE ET TECHNIQUE, S.A., a corporation organized and existing under the laws of the Country of France and having an office for the transaction of business in Switzerland, and having an office for the transaction of business at Route Louis Braille 10 et 12, CH-1763 Granges-Paccot, Switzerland, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said, PHILIPPE ESNAULT and JEAN-CLAUDE AUBRY for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said, MICHELIN RECHERCHE ET TECHNIQUE, S.A. and other valuable considerations unto us moving from said MICHELIN RECHERCHE ET TECHNIQUE, S.A., at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said MICHELIN RECHERCHE ET TECHNIQUE, S.A., its successors and assigns, the entire right, title and interest in and to the said invention entitled "THERMOTROPIC AROMATIC POLYESTER (AMIDE)MONOFILAMENT", as set forth and described in application for Letters Patent of the United States, Serial No. 09/454639, filed December 6, 1999, and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

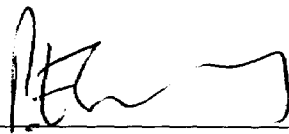
AND WE, the said PHILIPPE ESNAULT and JEAN-CLAUDE AUBRY, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said MICHELIN RECHERCHE ET

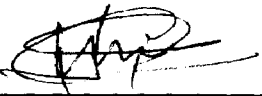
said Letters Patent of the United States to said MICHELIN RECHERCHE ET TECHNIQUE, S.A., as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said MICHELIN RECHERCHE ET TECHNIQUE, S.A., its successors and assigns;


AND WE, the said PHILIPPE ESNAULT and JEAN-CLAUDE AUBRY, for the considerations aforesaid, do hereby covenant and agree to and with said MICHELIN RECHERCHE ET TECHNIQUE, S.A., its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said MICHELIN RECHERCHE ET TECHNIQUE, S.A., its successors and assigns, may be required or necessary more effectively to secure to and vest in said MICHELIN RECHERCHE ET TECHNIQUE, S.A., its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

Subscribed and executed at Clermont-Ferrand - France  
(Place)

on February 8, 2000  
(Date)

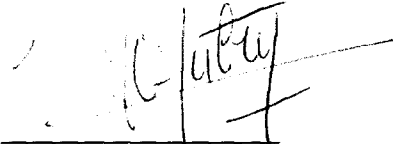
  
\_\_\_\_\_  
PHILIPPE ESNAULT


Witness:   
(Type Name) Jeanne CHEMINOT

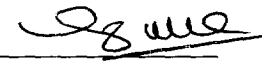
Witness:   
(Type Name) Odile JOUVE

Subscribed and executed at Clermont-Ferrand - France  
(Place)

on February 8, 2000  
(Date)

  
PHILIPPE ESNAULT  
JEAN-CLAUDE AUBRY

Witness:   
(Type Name) Jeanne CHEMINOT

Witness:   
(Type Name) Odile JOUVE

02/08/2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : PHILIPPE ESNAULT and  
JEAN-CLAUDE AUBRY

Serial No. : 09/454,639

Filed : December 06, 1999

Group Art Unit: 1733

For : THERMOTROPIC AROMATIC  
POLYESTER (AMIDE)  
MONOFILAMENT

March 01, 2000

ATTENTION: ASSIGNMENT DEPARTMENT

Assistant Commissioner for Patents

Box Assignment

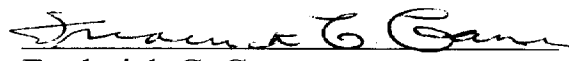
Washington, D.C. 20231

Sir:

We enclose herewith, together with a Recordation Cover Sheet and a check for \$40, an Assignment of patent application Serial No. 09/454,639 executed by the inventors, PHILIPPE ESNAULT and JEAN-CLAUDE AUBRY.

Please record this Assignment.

Respectfully submitted,



Frederick C. Carver  
Patent Office Reg. No. 17,021

Attorney for Applicants  
(212) 408-2528

Enclosures

NY02:140928.1

RECORDED: 03/07/2000

PATENT  
REEL: 010656 FRAME: 0950