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FR SHEET Y U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office. Please attach original documents or copy thereof.

1. Name of conveying party(ies): Isidro Hidalgo CARPINTERO Manuel Jesus PADILLA CRUZ Rafael TAPIA GUIJARRO



2. Name and address of receiving party(ies): ALCATEL 54, rue la Boetie 75008 Paris France

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

3. Nature of conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other

Execution Date: March 24, 2004, March 24, 2004 and March 24, 2004

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

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) 10/815,719

B. Patent No.(s) Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: SUGHRUE MION, PLLC WASHINGTON OFFICE 23373 CUSTOMER NUMBER

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 No. 19-4880. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. 8. Deposit Account Number: 19-4880 (Attach duplicate copy of this page if paying by deposit account)

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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. David J. Cushing July 16, 2004 Reg. No. 28,703 Date

Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

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PATENT REEL: 015573 FRAME: 0045

# Assignment

Whereas I/We - Isidro HIDALGO CARPINTERO  
- Manuel Jesus PADILLA CRUZ  
- Rafael TAPIA GUIJARRO

hereinafter called assignor(s), have invented certain improvements in  
DIELECTRIC RESONATOR FILTER

and executed an application for Letters Patent of the United States of America therefore identified by  
Attorney Docket No. **129261/HAS/SSD**

Whereas, ALCATEL  
54, rue la Boétie  
75008 PARIS  
FRANCE


hereinafter called assignee,

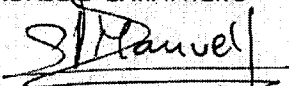
desires to acquire the entire right, title, and interest in the application and invention, and to any  
United States patents to be obtained therefore;


Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named  
assignee, its successors and assigns, the entire right, title and interest in the application and the  
invention disclosed therein for the United States of America, including the right to claim priority under  
35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted  
upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will  
execute without further consideration all papers deemed necessary by the assignee in connection with  
the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, PPLC of 2100  
Pennsylvania Avenue, NW, Washington, DC 20037-3202 to insert here in parentheses (Application  
number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of  
said application when known.

Date: 24/03/2004 S/   
Isidro HIDALGO CARPINTERO

Date: 24/03/2004 S/   
Manuel Jesus PADILLA CRUZ

Date: 25/03/2004 S/   
Rafael TAPIA GUIJARRO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C.  
§261)

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