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| Graham BROAD, Steven BOWEY | ALCATEL |
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| , , | 75008 Paris, France |
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| Execution Date: November 10 and 28, 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)/Confirmation No.(s | B. Patent No.(s) |
| 09/728,090 /7503 | |
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| | |
| 5. Name and address of party to whom correspondent concerning document should be mailed: | 1 |
| | 7. Total Fee (37 CFR 3.41): \$40.00 |
| SUGHRUE, MION, ZINN, MACPEAK & SEAS, PL | 7. Total Fee (37 CFR 3.41): \$40.00 ✓ Enclosed. Please charge any underpayment in |
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PATENT REEL: 011486 FRAME: 0922

Assignment

Whereas, We, Graham BROAD of 11, The Midway, Lilydale, Victoria 3140, Australia, and Steven Bowey of 19, Highview Drive, Mooroolbark, Victoria 3138, Australia respectively, hereinafter called assignors, have invented certain improvement in

| AN ADJUSTABLE COUPLING ARRANGEMENT FOR APERTURE COUPLED CAVITY FILTERS |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| And executed an application for Letters Patent of the United states of America therefor on |
| November 12 and 28, 2000 ; and . |
| Whereas, |
| Alcatel 54, rue La Boetie 75008 Paris, France |
| (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; |
| Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, |
| We, the above named assignors, 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. We hereby authorize and request my attorneys Sughrue, Mion, Zinn, Macpeak & Seas, 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 09/728,090 , filedDecember 4, 2000) the filing date and application number of said application when known. |
| Date: 10 Nov 2000 Graham BROAD |
| Date: 28 Nov 2000 Steven ROWEY |
| Date: |

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

8/92

RECORDED: 01/31/2001

PATENT REEL: 011486 FRAME: 0923