4716

(Rev. 10/02)

04-12-2006



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005) 10321	7123 Attorney Docket No. 1375.43343X00
To the Honorable Commissioner of Patents and Trademarks: P	
1. Name of conveying party(ies): Stephane DEDIEU Philippe MOQUIN	Name and address of receiving party(ies) Name: MITEL KNOWLEDGE CORPORATION
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 350 Legget Drive Ottawa, Ontario, K2K 2W7 CANADA
3. Nature of conveyance/ Execution Date: February 26, 2003; February 26, 2003.	City: State: Zip:
Assignment	Additional name(s) & address(es) attached? ☐ Yes ☒ No
4. Application number(s) or patent number(s):	This document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent Registration No.(s)
10/734,116	
Additional number(s) att	l ached ☐ Yes ☒ No
5. Name and address of party to whom correspondence concerning document should be mailed:	ached ☐ Yes ☒ No 6. Total number of applications and patents involved 1
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41)\$
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved 1 7. Total fee (37 CFR 3.41)\$ Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed
Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	7. Total fee (37 CFR 3.41)\$ Authorized to be charged by credit card Authorized to be charged to deposit account
 Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)
 Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)
 Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com 	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)
 Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17 TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com DO NOT USE T 9. Statement and signature. To the best of my knowledge and belief, the foregoing inforis a true copy of the original document. Donald E. Stout, Reg#26,422	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17 TH STREET – SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com DO NOT USE T 9. Statement and signature. To the best of my knowledge and belief, the foregoing inforis a true copy of the original document.	6. Total number of applications and patents involved 7. Total fee (37 CFR 3.41)

PATENT

REEL: 017767 FRAME: 0502

WORLDWIDE ASSIGNMENT

WHEREAS, WE, Stephane DEDIEU and Philippe MOQUIN, residing at, respectively, 2752 Don Street, Ottawa, Ontario, K2B 6Y8 and 59 Acklam Terr., Ottawa, Ontario, K2K 2H7, have invented certain new and useful improvements in an invention entitled METHOD FOR EXTENDING THE FREQUENCY RANGE OF A BEAMFORMER WITHOUT SPATIAL ALIASING for which an application for United States Letters Patent will be filed; and

WHEREAS, MITEL NETWORKS CORPORATION, a company organized and existing under the laws of Canada, having a place of business at 350 Legget Drive, Ottawa, Ontario, K2K 2W7, is desirous of acquiring the full and exclusive right, title and interest in and to said application inclusive of any and all priority rights derived therefrom and the invention therein disclosed, and in and to all Letters Patent, both United States and foreign, to be granted for said invention;

NOW, THEREFORE, for a valuable consideration, the receipt whereof is hereby acknowledged, WE do hereby sell, assign, transfer, and set over unto the said MITEL NETWORKS CORPORATION, its successors and assigns, the full and exclusive right, title and interest in and to the aforesaid application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the invention therein disclosed, and in and to all Letters Patent and issues thereof which may be granted upon said application and in and to all Letters Patent which may be issued upon any substitutes, divisions, or continuations of said application, and in and to any and all Letters Patent which may be granted for said invention in any foreign country or countries; the same to be held and enjoyed by the said MITEL NETWORKS CORPORATION for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent and reissues thereof may be granted as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made;

AND WE hereby agree to execute, upon request, any and all further papers * which may be necessary or desirable to enable the said MITEL NETWORKS

CORPORATION, its successors and assigns, to file and prosecute said application, and any and all substitutes, divisions, or continuations thereof, and any and all reissues of the Letters Patent granted upon said application, or upon any substitutes, divisions, or continuations thereof, and any and all applications for foreign Letters Patent on said invention;

PATENT REEL: 017767 FRAME: 0503 AND WE further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of said MITEL NETWORKS CORPORATION, its successors and assigns, in and to said application and the invention therein disclosed, and in and to any and all Letters Patent and reissues thereof, both United States and foreign, which may be granted upon said application, and any substitutes, divisions, or continuations thereof, and upon any foreign applications.

AND WE hereby authorize and request The Commissioner of Patents to issue each and every Letters Patent to be granted upon the aforesaid application for United States Letters Patent, and upon any and all substitutes, divisions, and continuations of said application, and each and every reissue of said Letters Patent, to the said MITEL NETWORKS CORPORATION, its successors and assigns, as the Assignee of the entire right, title and interest therein, in accordance with this assignment.

WITNESS my hand at OTTAW A, ONT
this
Stephane DEDIEU
Witness
WITNESS my hand at OTTAWA, ONT this day of 2003
That In
Philippe MOOUIN
Witness:
Milled.

PATENT RECORDED: 04/07/2006 REEL: 017767 FRAME: 0504