07-14-2000

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RECORDATION FORM COVERSHEET

6.20.00

PATENTS

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

Mitel Semiconductor Limited

1. Name of conveying party:

1980

Canadian Imperial Bank of Commerce, as Secured Party
Commerce Court West
199 Bay Street
Toronto, Ontario M5L 1A2

2. Name and address of receiving party:

Canada

3. Nature of conveyance:

Grant of Patent Security Interest

Execution Date:

March 31, 2000

4. Application numbers and patent numbers:

A. Patent Application Nos.:

09/827,183.6

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

Nadia Burgard, Esq. O'Melveny & Myers LLP 555 13th Street, N.W. Suite 500 West Washington D.C. 20004-1109 B. Patent Registration Nos.:

5,982,207; 5,987,057

6. Total number of applications and registrations involved:

3

7. Total fee:

\$120.00 (Enclosed)

8. Deposit Account Number:

N/A

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 documents.

Nadia Burgard

Name of Person Signing

00000036 5982207

120.00 OP

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET: 3

07/14/2000 ASCOTT

01 FC:581

NY1:750996.1

PATENT REEL: 010909 FRAME: 0064

6/20/00

GUARANTEE AND DEBENTURE SUPPLEMENT

This GUARANTEE AND DEBENTURE SUPPLEMENT, dated as of March 31,2000, is delivered pursuant to Sections 5.1(a) and 8.7(c) of that certain Guarantee and Debenture, dated as of February 12, 1998 (as it may be from time to time amended, modified or supplemented, the "Guarantee and Debenture"), by and among each Charging Company named therein and Canadian Imperial Bank of Commerce, as Security Agent. Capitalized terms used herein not otherwise defined herein shall have the meanings ascribed thereto in the Guarantee and Debenture.

Subject to the terms and conditions of the Guarantee and Debenture, the undersigned Charging Company hereby grants to Security Agent a security interest in all of such Charging Company's right, title and interest in and to the Intellectual Property listed on Supplemental Schedule 3 attached hereto, in each case whether not or hereafter existing or in which such Charging Company now has or hereafter acquires an interest and wherever the same may be located. All such Intellectual Property shall be deemed to be part of the Intellectual Property and hereafter subject to each of the terms and conditions of the Guarantee and Debenture.

IN WITNESS WHEREOF, the undersigned Charging Company has caused this Supplement to be duly executed and delivered by its duly authorized officer as of March 31, 2000.

MITEL SEMICONDUCTOR LIMITED

Rv.

Jean-Jacques Carrie

Treasurer

PATENT REEL: 010909 FRAME: 0065 Mitel Semiconductor Limited Supplemental Schedule 3 Confidential

As At March 31, 2000

Patents Issued

Country	Patent No.	Date Issued	Description	<u>Inventors</u>
USA	5,982,207	09-Dec-99	Integrated Circuit Output Buffer	Wilcox
USA	5,987,057	16-Nov-99	Wireless Local Area Networks	Smith et al

Patents Pending

Country	Application No.	Date Filed	<u>Description</u>	<u>Inventors</u>
USA	09/827,183.6	08-Dec-99	Integrated of Externally Developed Log	gic Smith et al

PATENT
RECORDED: 06/20/2000 REEL: 010909 FRAME: 0066