

1-29-99



Tab settings

To the Honorable Commissioner of Patents

100960978

Send original documents or copy thereof.

1. Name of conveying party(ies):

Lizhong Sun
Tadeusz Kwasniewski
Kris Iniewski

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

2. Name and address of receiving party(ies)

Name: PMC-Sierra Ltd

Internal Address:

Street Address: Suite 105

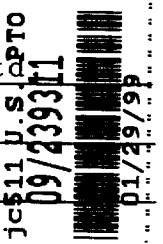
8555 Baxter Place

Burnaby, British Columbia, Canada

City: State: ZIP:

V5A 4V7

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



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: _____

4. Application number(s) or patent number(s):

09239311

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

4DE

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

Name: Pascal & Associates

Internal Address:

6. Total number of applications and patents involved:

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

16-0600

(Attach duplicate copy of this page if paying by deposit account)

02/04/1999 ASELLMAN 00000043 160600 09239311

FC:581 Street Address: 40.00 CH

P.O. Box 11121, Station H

Nepean, Ontario, Canada, K2H 7T8

City: State: ZIP:

DO NOT USE THIS SPACE

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.

E.E. Pascal

Name of Person Signing

Signature

Dec. 17, 1998

Date

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

3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments PATENT

Washington, D.C. 20231

REEL: 9742 FRAME: 0785

ASSIGNMENT AND AGREEMENT

For value received, we **Lizhong SUN, Tadeusz KWASNIEWSKI** and **Kris INIEWSKI** whose full post office addresses are 301-315 Holmwood Avenue, Ottawa, Ontario, Canada, K1S 2R2; 460 Highcroft Avenue, Ottawa, Ontario, Canada, K1Z 5J2 and 320-1220 Lasalle Place, Coquitlam, British Columbia, Canada, V3B 7L6 hereby sell, assign and transfer to **PMC-SIERRA LTD.** whose full post office address is Suite 105, 8555 Baxter Place, Burnaby, British Columbia, Canada, V5A 4V7 and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to the invention entitled **HIGH SPEED WIDE TUNING RANGE MULTI-PHASE OUTPUT RING OSCILLATOR** as described in an application for letters patent filed in the **UNITED STATES**, the Declaration and Power of Attorney accompanying said application being executed on December 10, 1998 and December 15, 1998 _____ and all rights and privileges including priority rights arising from the application aforesaid and corresponding applications in other countries, all continuations, continuations-in-part, divisionals, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said inventions.

We request that any and all patents for said inventions may be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for claiming said priority rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

THE UNDERSIGNED hereby authorizes the firm of **PASCAL & ASSOCIATES** whose full office address in Canada is Suite 405, 301 Moodie Drive, Nepean, Ontario, K2H 9C4, and whose full mailing address is P.O. Box 11121, Station H, Ottawa, Ontario, K2H 7T8, to correct errors in this assignment or to insert any

further identification or other information necessary or desirable to make this assignment suitable for recordal in the Canadian Patent Office.

EXECUTED AT ... *Carleton University* ...
this ... *10* ... day of ... *Dec* ...)
1998.

..... *Sun Lihong*
(Lizhong SUN)

Witness: *T. Kwasniewski*

EXECUTED AT ... *Carleton University* ...
this ... *18* ... day of ... *Dec* ...)
1998.

..... *T. Kwasniewski*
(Tadeusz Kwasniewski)

Witness: *[Signature]*

EXECUTED AT ... *PMC-Sierra* ...
this ... *15* ... day of ... *December* ...)
1998.

..... *[Signature]*
(Kris Iniewski)

Witness: *[Signature]*