

09-11-2000



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Department of Commerce  
Trademark Office  
**PATENT**

8-7-00

RECORDATION FORM COVER SHEET

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

1. Submission Type: New
2. Conveyance type: Assignment
3. Name and address of conveying party:      Executed:  
Intersil Corporation      July 20, 2000  
(A Delaware corporation)  
2401 Palm Bay Road N.E.  
Melbourne, Florida 32905
4. Name and address of receiving party:  
Red Chip Company Ltd.  
(A British Virgin Islands corporation)  
Trident Chambers  
Wickams Cay  
Road Town, Tortola  
British Virgin Islands
5. Correspondent Name and Address:      Phone Number:  
Richard B. Preiss      (503) 224-3380  
Stoel Rives LLP  
900 SW Fifth Avenue, Suite 2600  
Portland, Oregon 97204-1268
6. Total number of pages comprising the attached conveyance  
and any attachments: Four (4).
7. Patent Application Numbers      Patent Numbers  
09152420 09073111 09183453      5672998 5767740 5805020  
09183379 09438210 09437939      5959501 6014055  
09437678 09342376 09472317  
09471569
8. Total number patents or applications involved: Fifteen (15)

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600.00 00

9. Fee Amount for Properties Listed: \$600.00  
[X] A \$600.00 check is enclosed in payment of the recording fee.
- [ ] Please charge our Deposit Account No. 19-4455 in the amount of \$\_\_\_\_\_.
- [X] The undersigned hereby authorizes the Commissioner to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment, to Deposit Account No. 19-4455.
10. 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.

Respectfully submitted,

By Richard B. Preiss Aug. 1, 2000  
Richard B. Preiss Date  
Registration No. 36,640

STOEL RIVES LLP  
900 SW Fifth Avenue, Suite 2600  
Portland, Oregon 97204-1268  
Telephone: (503) 224-3380  
Facsimile: (503) 220-2480  
Attorney Docket No. 31181/5

## ASSIGNMENT

WHEREAS, Intersil Corporation, a Delaware corporation, having a place of business at 2401 Palm Bay Road N.E., Melbourne, Florida 32905, is the owner of the full and exclusive right, title, and interest in inventions set forth in:

1. U.S. Patent No. 5,672,998, issued 30-Sep-1997, from application No. 08/512,763, filed 09-Aug-1995, for IMPROVED CLASS D AMPLIFIER AND METHOD, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
2. U.S. Patent No. 5,805,020, issued 08-Sep-1998, from application No. 08/671,453, filed 27-Jun-1996, for SILENT START CLASS D AMPLIFIER, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
3. U.S. Patent No. 5,767,740, issued 16-Jun-1998, from application No. 08/722,354, filed 27-Sep-1996, for SWITCHING AMPLIFIER CLOSED LOOP DUAL COMPARATOR MODULATION TECHNIQUE, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
4. U.S. Patent application No. 09/152,420, filed 14-Sep-1998, for DRIVER CIRCUIT HAVING LOAD-INDEPENDENT SLEW RATE, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
5. U.S. Patent No. 5,959,501, issued 28-Sep-1999, from application No. 09/007,326, filed 14-Jan-1998, for CLASS D AMPLIFIER WITH SCALED CLOCK AND RELATED METHODS, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
6. U.S. Patent No. 6,014,055, issued 11-Jan-2000, from application No. 09/020,178, filed 06-Feb-1998, for CLASS D AMPLIFIER WITH REDUCED CLOCK REQUIREMENT AND RELATED METHODS, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;

7. U.S. Patent application No. 09/173,111, filed 15-Oct-1998, for A VARIABLE FREQUENCY CLASS D MODULATOR WITH BUILT IN SOFT CLIPPING AND FREQUENCY LIMITING, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
8. U.S. Patent application No. 09/183,453, filed 30-Oct-1998, for OVERCURRENT SENSING CIRCUIT AND SELF ADJUSTING BLANKING, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
9. U.S. Patent application No. 09/183,879, filed 30-Oct-1998, for START-UP CIRCUIT FOR SELF OSCILLATING CLASS D MODULATOR, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
10. U.S. Patent application No. 09/438,210, filed 12-Nov-1999, for CLASS D MODULATOR WITH PEAK CURRENT LIMIT AND LOAD IMPEDANCE SENSING CIRCUITS, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10408, Frame No. 630;
11. U.S. Patent application No. 09/437,393, filed 10-Nov-1999, for CLASS D AMPLIFIER WITH BANDWIDTH INDEPENDENT OF LOAD IMPEDANCE, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10412, Frame No. 143;
12. U.S. Patent application No. 09/437,678, filed 10-Nov-1999, for LOW NOISE LOW DISTORTION CLASS D AMPLIFIER, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10620, Frame No. 167;
13. U.S. Patent application No. 09/342,376, filed 29-Jun-1999, for DUAL MODE CLASS D AMPLIFIERS, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10247, Frame No. 43;
14. U.S. Patent application No. 09/472,317, filed 23-Dec-1999, for OUTPUT STAGE FOR HIGH POWER CLASS D AMPLIFIERS, ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and Trademark Office, Assignment Division, at Reel No. 10496, Frame No. 351; and

15. U.S. Patent application No. 09/471,569, filed 23-Dec-1999, for  
TECHNIQUES FOR SYNCHRONIZING A SELF OSCILLATING  
VARIABLE FREQUENCY MODULATOR TO AN EXTERNAL CLOCK,  
ownership of which having been recorded 27-Sep-1999 in the U.S. Patent and  
Trademark Office, Assignment Division, at Reel No. 10469, Frame No. 146.

WHEREAS, Red Chip Company Ltd., a British Virgin Island  
corporation, having a place of business at Trident Chambers, Wickams Cay,  
Road Town, Tortola, British Virgin Islands, is desirous of acquiring an interest  
therein:

NOW, THEREFORE, for good and valuable consideration, the receipt  
of which is hereby acknowledged, Intersil Corporation, hereby sells, assigns,  
and transfers to Red Chip Company Ltd. the full and exclusive right, title, and  
interest in and to said inventions, said patent applications and any and all patent  
rights and letters patent for said inventions in the United States and elsewhere  
throughout the world, including foreign patent priority rights and the right to  
apply for patents in foreign countries in the name of Red Chip Company Ltd.  
and further including all divisions and continuations of said patent and of any  
foreign patent applications and all reissues and extensions of patent rights and  
letters patent for said inventions, all to be held and enjoyed by Red Chip  
Company Ltd., for its own use and benefit, and by its successors and assigns  
for their own use and benefit, for the full duration of the terms for which patent  
rights and letters patent may be granted in this or any foreign country, and  
covenants that Intersil Corporation has full right so to do, and agrees that  
Intersil Corporation will communicate to Red Chip Company Ltd., and its  
successors and assigns, any facts known to it respecting said inventions, and  
testify in any legal proceeding, sign all lawful papers, execute all lawful  
divisional, continuation, and reissue applications, make all rightful declarations  
or oaths, and do everything lawfully possible to aid Red Chip Company Ltd.,  
and its successors and assigns, to obtain and enforce proper patent protection  
for said inventions in this or any foreign country.

Executed at Palm Bay, State of Florida, this 20<sup>th</sup> day of July, 2000.

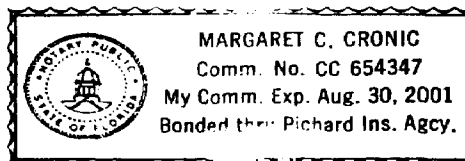
Intersil Corporation

Signature: [Signature]  
Name: HOWARD ROTHMAN  
Title: ASSISTANT SECRETARY

STATE OF FLORIDA           )  
  ) ss.  
County of Brevard           )

This 20<sup>th</sup> day of July, 2000, before me personally came the above-named Howard Rothman, who executed the foregoing instrument in my presence, and who acknowledged to me that he or she executed the same of his or her own free will for the purposes set forth herein.

Signature: Margaret C. Cronic  
Name (Print): MARGARET C. CRONIC  
NOTARY PUBLIC in and for the State of  
Florida, residing at BREVARD COUNTY  
My appointment expires: \_\_\_\_\_



STOEL RIVES LLP  
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Telephone: (503) 224-3380  
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Attorney Docket No. 31181/5