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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Edward Tang Kwai Ma,
Frank Victor Taylor III,
Sai Bun Samuel WongAdditional name(s) of conveying party(ies)
attached? ___ Yes ___ X No

2. Name and address of receiving party(ies):

DALLAS SEMICONDUCTOR CORPORATION

Internal Address: 4401 S. Beltwood Parkway
Dallas, TX 75244-3292Street Address: 4401 S. Beltwood Parkway
Dallas, TX 75244-3292Additional name(s) & address(es)
attached? ___ Yes ___ X No

3. Nature of conveyance: ___

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other

Execution Date: 12/17/98

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: 12/17/98

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ___ Yes ___ X No

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

Steven R. Greenfield
Jenkins & Gilchrist, P.C.
1445 Ross Avenue, Suite 3200
Dallas, Texas 75202-27996. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.... \$ 40.00___ Enclosed
X Authorized to be charged to deposit account

8. Deposit account number:

10-0447

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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.

Steven R. Greenfield Reg. No. 38,166
Name of Person Signing

Signature

12/30/98

Date

Total number of pages including cover sheet, attachments, and document: 4Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner For Patents, Box Assignments
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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **DALLAS SEMICONDUCTOR CORPORATION** (the "Assignee"), a corporation of **DELAWARE**, having a place of business at **4401 South Beltwood Parkway, Dallas, Texas 75244-3292**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned, filed on December 30, 1998, assigned United States Serial No. unknown because filed herewith, and is entitled **MICROCONTROLLER WITH A USER CONFIGURABLE PULSE WIDTH MODULATOR**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Executed on the date(s) below indicated:

1) <u></u> ASSIGNOR: Edward Tang Kwai Ma Address: 4133 Warminster Dr. Plano, Texas 75093	<u>12/17/98</u> Date	<u></u> Witness Signature <u>KEVIN LEE SELF</u> Witness (Printed Name)	<u>12/17/98</u> Date
		<u></u> Witness Signature	<u>12-17-98</u> Date
		<u>Matt Adams</u> Witness (Printed Name)	
2) <u></u> ASSIGNOR: Frank Victor Taylor III Address: 486 Spruce Drive Highlandvillage, Texas 75067	<u>12/17/98</u> Date	<u></u> Witness Signature <u>KEVIN LEE SELF</u> Witness (Printed Name)	<u>12/17/98</u> Date
		<u></u> Witness Signature	<u>12-17-98</u> Date
		<u>Matt Adams</u> Witness (Printed Name)	

3) Samuel Wong
ASSIGNOR: Sai Bun Samuel Wong
Address: 7780 McCallum Blvd. #23205
Dallas, Texas 75252

12/17/98
Date
Kevin Lee Self
Witness (Printed Name)

12/17/98
Date

Matt Adams
Witness Signature
12-17-98
Date

Matt Adams
Witness (Printed Name)