
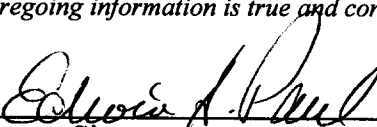
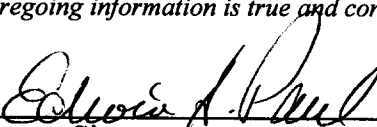
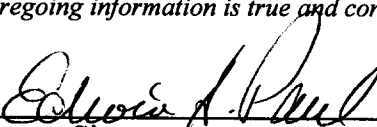


4115-04 To the Honorable commissioner of Pat Please record the attached original c	01-19-2004  102723971	SET						
1. Name of conveying party(ies): James J. McDonald, II. Ronald B. Hulfachor Jim Wunderlich Additional name(s) of conveying party(ies) attached? _____ Yes <input checked="" type="checkbox"/> No	2. Name of receiving party(ies): Name: Fairchild Semiconductor Corporation Street Address: 82 Running Hill Road City: South Portland State: Maine Zip: 04106 Additional name(s) & address(es) Attached? _____ Yes <input checked="" type="checkbox"/> No							
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <u>April 8, 2004</u>								
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: <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> A. Patent Application No.(s) <u>10/412,448</u> </td> <td style="width: 50%; vertical-align: top;"> B. Patent No. (s) Additional numbers attached? _____ Yes <input checked="" type="checkbox"/> No </td> </tr> </table>			A. Patent Application No.(s) <u>10/412,448</u>	B. Patent No. (s) Additional numbers attached? _____ Yes <input checked="" type="checkbox"/> No				
A. Patent Application No.(s) <u>10/412,448</u>	B. Patent No. (s) Additional numbers attached? _____ Yes <input checked="" type="checkbox"/> No							
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Edwin H. Paul Street Address: Cesari and McKenna, LLP 88 Black Falcon Avenue City: Boston State: MA Zip: 02210	6. Total number of applications and patents involved:..... 1 7. Total fee (37 CFR 3.41)\$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit Account 8. Deposit account no. 03-1237 (Attach duplicate copy of this page if paying by deposit account)							
DO NOT USE THIS SPACE								
9. Statement and signature. <i>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.</i> <table style="width: 100%;"> <tr> <td style="width: 35%;">Edwin H. Paul, Reg. No. 31,405</td> <td style="width: 30%; text-align: center;">  Signature </td> <td style="width: 35%; text-align: right;">April 13, 2004 Date</td> </tr> <tr> <td colspan="2">Name of Person Signing</td> <td style="text-align: right;">Total number of pages comprising cover sheet: 1</td> </tr> </table>			Edwin H. Paul, Reg. No. 31,405	 Signature	April 13, 2004 Date	Name of Person Signing		Total number of pages comprising cover sheet: 1
Edwin H. Paul, Reg. No. 31,405	 Signature	April 13, 2004 Date						
Name of Person Signing		Total number of pages comprising cover sheet: 1						

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 2004 APR 15 PM 3:37
 FINANCE SECTION

04/16/2004 ECDOPER 00000038 10412448

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40.00 DP

PATENT
REEL: 015208 FRAME: 0655

ASSIGNMENT

Whereas We, James J. McDonald, II., whose residence address is 61 Barstow Road, Gorham, ME 04038, Ronald B. Hulfachor, whose residence address is 112 Oakhurst Road, Cape Elizabeth, ME 04107, and Jim Wunderlich, whose residence address is 11 Overlook Lane, Cape Elizabeth, ME 04107, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled PLL FOR CLOCK RECOVERY WITH INITIALIZATION SEQUENCE, identified by Cesari and McKenna File No. 112055-0057U, which application was executed by us on April 8, 2003; and

Whereas Fairchild Semiconductor Corporation, whose address is 82 Running Hill Road, South Portland, ME 04106, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

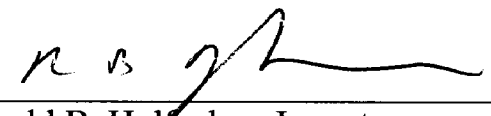
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents

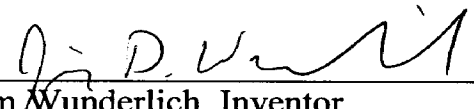
including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

April 8/03
Date

James J. McDonald, II., Inventor

Apr 8, 2003
Date

Ronald B. Hultachor, Inventor

04/08/03
Date

Jim Wunderlich, Inventor

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims Small Entity Status. See 37 CFR 1.27

Complete if Known

Application Number	10/412,448
Filing Date	April 11, 2003
First Named Inventor	James J. McDonald, II. et al.
Examiner Name	Not yet assigned
Group Art Unit	2817
Attorney Docket No.	112055-0057U

TOTAL AMOUNT OF PAYMENT (\$) 40

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money ☐ Other ☐ None
☒ Deposit Account

Deposit Account Number 03-1237

Deposit Account Name Cesari and McKenna, LLP

The Commissioner is authorized to: (check all that apply)
Charge any deficiency or ☒ Credit any overpayments

☐ Charge fee indicated below
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity/Small Entity				Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)				(\$)	0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-	20**	=	0	x		=	0
Independent Claims		-	3**	=	0	x		=	0
Multiple Dependent				=	0				

Large Entity/Small Entity				Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$)	0

**or number previously paid, if greater; For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

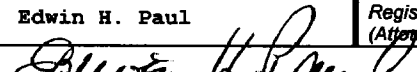
Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English Specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility Issue fee (or reissue)	
1502	470	2502	235	Design Issue fee	
1503	630	2503	315	Plant Issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					
SUBTOTAL (3)				(\$)	40

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Edwin H. Paul	Registration No. (Attorney/Agent)	31,405	Telephone	(617) 951-2500
Signature		Date	April 13, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OF COMPLETED FORMS TO THIS

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