

05-11-2005

014789-000002

Form **PTO-1595**
(Rev. 03/01)

102999390

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings ⇄ ⇄ ⇄

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

1. Name of conveying party(ies):

Stephen P. Boyd

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

3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☒ Other Resubmission of Assignment to include CoversheetExecution Date: October 26, 2004

2. Name and address of receiving party(ies)

Name:

The Board of Trustees for the Leland Stanford
Junior University
1705 El Camino Real
Palo Alto, CA 94306-1106Additional name(s) & address(es) attached? ☐ Yes ☒ No

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: _____

A. Patent Application No.(s) 10/978,497 filed

B. Patent No.(s) _____

November 1, 2004Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning documents should be mailed:Name: Steven B. PhillipsInternal Address: Moore & Van Allen PLLCStreet Address: 430 Davis Drive, Suite 500City: Morrisville State: NC Zip: 27560-68326. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41)..... Previously Submitted☐ Enclosed☒ Authorized to charge deposit account
any shortage or credit overpayment

8. Deposit account number:

13-4365

DO NOT USE THIS SPACE

39. Signature.

Steven B. Phillips

Name of Person Signing

Signature

May 6, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 3

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

Mail Stop: Assignments, Commissioner for Patents,

P.O. Box 1450

Alexandria, VA 22313-1450

11-08-2004

18351

Under the Paperwork Reduction

102877621

Approved for use through 07/31/2006. OMB 0651-0032
 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
 Section of information unless it displays a valid OMB control number.

U.S. PTO

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$1,294.00)

Complete if Known

Application Number

Filing Date

First Named Inventor

Yang Xu

Examiner Name

Art Unit

Attorney Docket No.

014789-000002

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit

Account

Number

13-4365

Deposit

Account

Name

Moore & Van Allen PLLC.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	790.00
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 790.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
36	16	18 =	288.00
Indep. Claims 5	2	88 =	176.00
Multiple Dependent			

Large Entity Fee Code	Small Entity Fee Code	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 464.00

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

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	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 <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examination 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 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	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 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1406 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)	40.00
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Steven B. Philley	Registration No. (Attorney/Agent)	37.911	Telephone	919-286-8000
Signature		Date	11/01/2004		

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 If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT

REEL: 016534 FRAME: 0890

11/03/2004 RADD01 00000035 10978497
 04 FC:8021
 40.00 DP

no color sheet

ASSIGNMENT OF INVENTION

WHEREAS, I, Stephen P. Boyd, residing at 663 San Juan Street, Stanford, CA 94305 have invented certain new and useful improvements for a OPTIMIZATION AND DESIGN METHOD FOR CONFIGURABLE ANALOG CIRCUITS AND DEVICES for which I have made application for Letters Patent of the United States, and I hereby authorize and request my attorney, Steven B. Phillips, of Moore & Van Allen, PLLC, 2200 West Main Street, Suite 800, Durham, N.C. 27705 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known;

AND WHEREAS, The Board of Trustees for the Leland Stanford Junior University, a not-for-profit organization, and having a place of business at 1705 El Camino Real, Palo Alto, CA 94306-1106, hereinafter called the "Assignee," desires to acquire all right, title and interest in and to said invention and patent application within the United States and its territorial possessions and all foreign countries, and any United States or foreign Letters Patent that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, and with the intention of being legally bound hereby, I confirm that I have sold, assigned and transferred, and do hereby sell, assign and transfer to said Assignee the entire right, title and interest in and to our invention and patent application within the United States of America and its territorial possessions and all foreign countries, and in and to any Letters Patent of the United States and all foreign countries that may be granted therefor, including all divisions, continuations, continuations-in-part, substitutes, patents of addition, reissues, reexaminations, renewals and extensions thereof, and the right to apply for Letters Patent in foreign countries with full benefit of such priorities as may now or hereafter be granted to me by local laws or by treaty, including any international convention for the protection of industrial property, together with the right to extend the protection of said United States Letters Patent to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its use and benefit and for the use and benefit of its successors or assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made. And we do hereby request and authorize the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all said Letters Patent, when granted, in accordance with the terms of this assignment.

We further covenant and agree with the Assignee that we have full and unencumbered title to the invention and patent application herein assigned, which title we warrant unto the Assignee, and we further agree that, when requested, we will, without demanding any

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further consideration therefor but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgement of instruments, that may be or become necessary for obtaining, sustaining or reissuing United States or foreign Letters Patent for the said invention and patent application, and for maintaining and perfecting the Assignee's right to said invention, patent application and Letters Patent particularly in cases of interference and litigation.

IN WITNESS WHEREOF, I, said inventor, have executed this Assignment under seal.

S P. H

Stephen P. Boyd

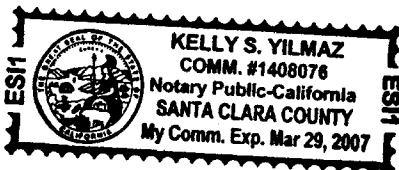
10/26/04

Date

STATE OF California)
COUNTY OF Santa Clara)

Before me personally appeared the above-named Stephen P. Boyd, on this the 26th day of October, 2004 to me known and known to be the inventor named and acknowledged that he executed the foregoing instrument on his behalf and pursuant to authority duly received.

(Seal)



Kelly S. Yilmaz
Notary Public

My Commission Expires 3-29-2007

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 26, 2005

PTAS



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MOORE & VAN ALLEN PLLC
P.O. BOX 13706
RESEARCH TRIANGLE PARK, NC 27709

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TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED: 11/01/2004

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REEL: 016534 FRAME: 0894