



08-05-2002

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To the Honorable Commissioner of

Patents. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): ANDREW T.K. TANG</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: ANALOG DEVICES, INC.</p> <p>Internal Address:</p> <p>Street Address: ONE TECHNOLOGY WAY</p> <p>City: NORWOOD State: MA Zip: 02062</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other</p> <p>Execution Date: July 24, 2002</p>	

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:

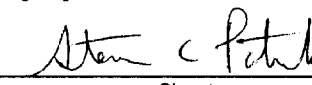
<p>A. Patent Application No.(s) 10/171,109</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Steven C. Patrick</p> <p>Internal Address: Koppel, Jacobs, Patrick & Heybl</p> <p>Street Address: 555 St. Charles Drive, Suite 107</p> <p>City: Thousand Oaks State: CA Zip: 91360</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account.</p> <p>8. Deposit account number: 11-1580</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional filing fees which may be required or credit any overpayment to Deposit Account No. 11-1580</p>
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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 C. Patrick  7-29-02

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 013141 FRAME: 0152

A S S I G N M E N T

I, Andrew T.K. Tang, residing at 3615 Ethan Court, San Jose, California 95136, represent that I have invented improvements in a new and useful AUTO-RANGING CURRENT INTEGRATION CIRCUIT, for which I executed an application for Letters Patent of the United States of America on June 11, 2002 and which was assigned application number 10/171,109.

Analog Devices, Inc. (ADI) is a corporation organized and existing under the laws of the State of Massachusetts, has a place of business at One Technology Way, Norwood, Massachusetts 02062, and desires to acquire the entire right, title and interest in and to the invention, application and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of which I acknowledge, I have sold and do hereby sell, assign, transfer and set over unto ADI, its successors and assigns, the entire right, title and interest in and to the invention and all improvements thereon, in and to the application for letters patent thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

I also agree that I will, at the request of ADI, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that ADI may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in ADI the undivided interests in the right, title and interest in the invention, applications and letters patent.

I also authorize and empower ADI, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which applications for letters patent can be so made or letters patent so obtained.

Signed at ANALOG DEVICES, JULY 29, 2002

A. Tang
Andrew T.K. Tang

WITNESS
Stephen PARKS
(type or print name)

WITNESS
ERIC NOLAN
(type or print name)