

09-19-2001

Revised Form PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



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

109/950219
09/07/01

1. Name of conveying party(ies):
Gilbert L. Huppert and Michael D. Delaus
09/07/01
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: ANALOG DEVICES, INC.
Internal Address: _____

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 9-04-01

Street Address: ONE TECHNOLOGY WAY
City: NORWOOD State: CA Zip: 02062
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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: 9-04-01
A. Patent Application No.(s)
B. Patent No.(s)
Additional numbers attached? Yes No

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5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Steven C. Patrick
Internal Address: Koppel & Jacobs
Street Address: 555 St. Charles Drive, Suite 107
City: Thousand Oaks State: CA Zip: 91360

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$ 40.00
 Enclosed
 Authorized to be charged to deposit account.
8. Deposit account number: 11-1580
 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

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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 *Steven C Patrick* 9-7-01
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Total number of pages including cover sheet, attachments, and document: 3

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09/14/2001 AADDF01 00000017 09950219
02 FC:581 40.00 OP

PATENT
REEL: 012163 FRAME: 0289

A S S I G N M E N T

We, Gilbert L. Huppert, residing at 2 Longbow Road, Stoneham, MA 02180, and Michael D. Delaus, residing at 8 Meadow View Lane, Andover, MA 01810, represent that we have invented improvements in a new and useful THIN FILM RESISTOR FABRICATION METHOD for which we have executed an application for Letters Patent of the United States of America on the same day as our execution of this Assignment.


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 we acknowledge, we 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.

We also agree that we 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.

We 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 September, 4, 2001


Gilbert L. Hubbert


Michael D. Delaus

WITNESS

Jake Steigensold
(type or print name)

WITNESS

Edward Gleason
(type or print name)