

OFFICE OF PUBLIC RECORDS

01-09-2003



2003 JAN -7 AM 10:40

102332592

SHEET

FINANCE SECTION

**PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other

U.S. Government  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Execution Date		
Month	Day	Year
July	22	2002

Name (line 1) Vincent J. Troy

Name (line 2)

**Second Party**

Name (line 1) Anthony Scanlan

Name (line 2)

Execution Date		
Month	Day	Year
July	22	2002

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) Analog Devices, Inc.

Name (line 2)

Address (line 1) One Technology Way

Address (line 2)

Address (line 3) Norwood MA 02062

City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

01/09/2003 GTON11 00000028 10166927

01 FC:8021 40.00 00

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

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

REEL: 013630 FRAME: 0506

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text" value="10/166,927"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was filed. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties** Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Jason D. Shanske

Name of Person Signing

Signature

12/31/02

Date

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

## Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

## Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## ASSIGNMENT

THIS ASSIGNMENT is made BETWEEN

VINCENT J. TROY an Irish citizen of 65 Cragaun, Fr. Russell Road, Limerick, Ireland,  
of the First Part,

ANTHONY SCANLAN an Irish citizen of 7 Kilterragh, Dooradoyle, Limerick, Ireland,  
of the Second Part,

JOSEPH MICHAEL BARRY an Irish citizen of Lisnalty, Rossbrien, County Limerick,  
Ireland of the Third Part,

JOHN PATRICK PURCELL an Irish citizen of 39 Cul Crannagh, Dooradoyle,  
Limerick, Ireland of the Fourth Part AND

MARTIN GERARD COTTER an Irish citizen of 71 Westfield, Clare Road, Ennis,  
County Clare, Ireland, of the Fifth Part (hereinafter the First, Second, Third, Fourth and  
Fifth Parts are collectively referred to as the "Inventors", which expression shall include  
their successors and assigns where the context so requires or admits)

AND ANALOG DEVICES, INC., a Massachusetts corporation having a place of  
business at One Technology Way, Norwood, Massachusetts 02062 U.S.A. (hereinafter  
referred to as the "Assignee", which expression shall include its successors and assigns  
and subsidiaries where the context so requires or admits) of the Sixth Part.

WHEREAS

(a) The Inventors have made certain inventions or discoveries (or both) set forth in an  
application for Letters Patent as set forth in the Schedule hereto;

(b) The Inventors are, or were at the time the invention was made, employees of the  
Assignee or were under contractual obligation with the Assignee, and made the said  
inventions and/or discoveries in the course of carrying out their duties as such  
employees or contractual duties;

(c) The Inventors agree that the said duties were such that the same inventions and/or  
discoveries might reasonably be expected to result therefrom and that in consideration  
of such employment or contract their interest in and to the said inventions and/or  
discoveries is held in trust for and is the absolute property of the Assignee or  
whomsoever the Assignee may nominate; and

(d) The Assignee had requested the Inventors agree to execute the ratification of

assignment hereinafter contained.

NOW THIS DEED WITNESSETH that in consideration of the premises and without reservations:

1. The Inventors hereby assign, transfer and convey unto the Assignee the entire right and title and interest in and to the said inventions and/or discoveries, the said application for Letters Patent and any and all other applications for Letters Patent or otherwise on the said Inventions and/or discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation applications and applications under the International (Paris) Convention, European Patent Convention, Patent Cooperation Treaty, Community Patent Convention, or otherwise, based in whole or in part upon said inventions and/or discoveries, or upon the said application, and in and to any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and/or discoveries or upon the said application, and every priority right that is or may be predicated upon or arise from said inventions and/or discoveries, said application and Letters Patent;

2. The Inventors hereby authorize the Assignee to file and assent to the Assignee filing patent applications in any or all countries on any or all of said inventions and/or discoveries in the name of the Inventors or in the name of the Assignee or otherwise as the Assignee may deem advisable, under the terms of the International (Paris) Convention, European Patent Convention, Patent Cooperation Treaty, Community Patent Convention or otherwise;

3. The Inventors hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the official empowered by all other governments and under the aforesaid Conventions, Treaties or otherwise, to issue or transfer all said Letters Patent to the Assignee.

4. The Inventors hereby warrant that they have not knowingly conveyed to others any right in the said inventions and/or 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 and/or discoveries; and that the Inventors have good right to assign the same unto the Assignee without encumbrance;

5. The Inventors hereby bind their heirs, legal representatives and assigns, as well as themselves, to do, upon the Assignee's request and at the Assignee's expense, but without additional consideration to them or to the Assignee, all acts reasonably serving to assure that the said inventions and/or discoveries, the said patent application and the said Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the Inventors, their heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to the Assignee all lawful application documents including petitions, specifications, oaths, powers of attorney, and all assignments, disclaimers and lawful affidavits in form and substance as may be required by the Assignee; to communicate to the Assignee all facts known to the Inventors relating to said Inventions and/or discoveries or the history thereof; and to furnish the Assignee with any and all documents, photographs, models, samples and other physical exhibits in the Inventors' control or in the control of their heirs, legal representatives or assigns which may be useful for establishing the facts of the conceptions, disclosures, and reduction to practice of said inventions and/or discoveries.

THE SCHEDULE ABOVE REFERRED TO

Attorneys File	U.S. Appln. Number	Filing Date	Title
AD-269J	10/166,927	6/11/02	"A method for converting a video signal from one of an analogue and digital form to the other of the analogue and digital form with enhanced signal to noise ratio"

Permission is hereby granted to Iandiorio & Teska to enter any identifying information missing in said schedule.

IT IS HEREBY CERTIFIED that the transaction hereby effected does not form part of a larger transaction or a series of transactions in respect of which the amount or values or the aggregate amount or value of the consideration exceeds Six thousand three hundred and fifty Euro (€6,350).

IN WITNESS WHEREOF the parties hereto have set their hand.

SIGNED by the said

VINCENT J. TROY

Vincent Troy

VINCENT J. TROY

this 22<sup>nd</sup> day of July.....2002

in the presence of:

Mark & Paul

(WITNESSES)

SIGNED by the said

ANTHONY SCANLAN

Anthony Scanlan

ANTHONY SCANLAN

this 22<sup>nd</sup> day of July.....2002

in the presence of:

Mark & Paul

(WITNESSES)

SIGNED by the said

JOSEPH MICHAEL BARRY

Joseph Barry

JOSEPH MICHAEL BARRY

this 22<sup>nd</sup> day of July.....2002

in the presence of:

Mark & Paul

(WITNESSES)

SIGNED by the said

JOHN PATRICK PURCELL

John Purcell

JOHN PATRICK PURCELL

this 22<sup>nd</sup> day of July.....2002

in the presence of:

Mark & Paul

(WITNESSES)

SIGNED by the said

MARTIN GERARD COTTER

Martin Cotter

MARTIN GERARD COTTER

this 22<sup>nd</sup> day of July.....2002

in the presence of:

Mark & Paul

(WITNESSES)

Signed for and on behalf of

ANALOG DEVICES, INC.

BY: WA Wise

Name: WA Wise

CAPACITY: ASSISTANT CLERK

in the presence of:

Shirley J. ...  
Jim G. ...  
(WITNESSES)

BY: \_\_\_\_\_

Name: \_\_\_\_\_

CAPACITY: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
(WITNESSES)

this 25 day of NOV 2002