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FORM PTO-1595 U.S.
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner for Patents : Please record the attached original documents or copy thereof.

<p>1. Name of conveying party: Hans Juergen Tucholski</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>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 _____</p> <p>Execution Date: December 5, 2005</p>	<p>2. Name and address of receiving party Name: Analog Devices, Inc. Internal Address: Norwood, Massachusetts Street Address: One Technology Way Norwood, Massachusetts 02062</p> <p>Additional name(s) & addresses(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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

A. Patent Application No.(s) **11/297,003** B. Patent No.(s)

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence Concerning document should be mailed:</p> <p>Name: Steven J. Henry Address: Wolf, Greenfield & Sacks, P.C. 600 Atlantic Avenue Boston, MA 02210-2206</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>The Commissioner is authorized to charge any deficiencies in the enclosed payment to:</p> <p>8. Deposit Account No: 23/2825</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 J. Henry		January 26, 2006
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: **[5]**

Mail documents to be recorded with required cover sheet information to (modify as appropriate):
Mail Stop Assignment Recordation Services
Director - U.S. Patent and Trademark Office
PO Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

THIS ASSIGNMENT is made BETWEEN

HANS JUERGEN TUCHOLSKI, a German citizen of 33 Meadowvale, Gouldavoher, Limerick, Ireland, (hereinafter referred to as the "Inventor", which expression shall include its successors and assigns where the context so requires or admits) of the First Part,

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 Second Part.

WHEREAS

- (a) The Inventor has made certain inventions or discoveries (or both) set forth in an application for Letters Patent as set forth in the Schedule hereto;
- (b) The Inventor is, or was at the time the invention was made, an employee of the Assignee or was under contractual obligation with the Assignee, and made the said inventions and/or discoveries in the course of carrying out his duties as such an employee or contractual duties;
- (c) The Inventor agrees 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 his 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 and the Inventor agrees to execute the ratification of assignment hereinafter contained.

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

1. The Inventor hereby assigns, transfers and conveys 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 Inventor hereby authorizes the Assignee to file and assents 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 Inventor 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 Inventor hereby authorizes and requests 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 Inventor hereby warrants that he has 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 Inventor has good right to assign the same unto the Assignee without encumbrance;

5. The Inventor hereby binds his heirs, legal representatives and assigns, as well as himself, 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 Inventor, his 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 Inventor 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 Inventor's control or in the control of his 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
G0631.70045US01	11/297,003	12/08/2005	"A digital frequency synthesiser and a method for producing a frequency sweep"

Permission is hereby granted to Wolf Greenfield & Sacks P.C. 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 Ten Thousand Euro (€10,000).

IN WITNESS WHEREOF the parties hereto have set their hand.

SIGNED by the said

HANS JUERGEN TUCHOLSKI

in the presence of:

Hans Juergen Tucholski
HANS JUERGEN TUCHOLSKI

Frank P. [Signature]
European Patent Attorney
(WITNESSES)

this 5 day of December 2005

Signed for and on behalf of
ANALOG DEVICES, INC.

in the presence of:

BY: W.A. Wise
Name: William A. Wise
CAPACITY: ASST Secretary

Jim Grant
James Hefferon
(WITNESSES)

BY: _____
Name: _____
CAPACITY: _____

(WITNESSES)

this 3rd day of January 2006