RECOFTATION FORM COVER SHEET			
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 Paterus 10238	1269 uments or copy thereof.		
1. Name of conveying party(ies): Joern Soerensen, Hitesh Anand Michael S. Allen 3-4-27	Name and address of receiving party(ies) Name: Analog Devices, Inc. Street Address: One Technology Way P.O. Box 9106		
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	Norwood, MA 02062-9106		
3. Nature of conveyance:	Additional name(s) & addresses(es) attached? [] Yes [X] No		
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other			
Execution Dates: December 17, 2002 January 6, 2003, February 22, 2003			
4. Application number(s) or patent number(s): 10/230,53	4		
If this document is being filed together with a new applic A. Patent Application No.(s) Additional numbers at	cation, the execution date of the application is B. Patent No.(s) ttached? [] Yes [X] No		
5. Name and address of party to whom correspondence Concerning document should be mailed:	6. Total number of applications and patents involved: [1]		
Name: William R. McClellan Address: Wolf, Greenfield & Sacks, P.C. Federal Reserve Plaza 600 Atlantic Avenue	7. Total fee (37 CFR 3.41) \$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account		
Boston, MA 02210 5/2003 GTON11 00000144 10230534	The Commissioner is authorized to charge any deficiencies in the enclosed payment to:		
C:8021 40.00 OP	8. Deposit Account No: 23/2825		
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Statement and signature To the best of my knowledge and belief, the foregoing in true copy of the original document.	nformation is true and correct and any attached copy is a		
William R. McClellan William K.	mclellan February 26, 2003		
Name of Person Signing Signatu	ure Date		
Total number of pages including cover s	sheet, attachments, and document: [5]		
Mail documents to be recorded with required co	over sheet information to (modify as appropriate):		

Box Assignment

Director - U.S. Patent and Trademark Office (when filed separately from a new application)

Commissioner of Patents (when filed with a new application)

Washington, D.C. 20231

PATENT

REEL: 013797 FRAME: 0304

03/0

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is hereby acknowledged, we, the undersigned, Joern Soerensen, Blaerevej 35, DK-9600 Aars, Denmark; Hitesh Anand, 3210 B, Myra Street, Durham, NC 27007; and Michael S. Allen, 7603 Jester Blvd., Austin, TX 78750; hereby:

Sell, assign and transfer to Analog Devices, Inc., a Massachusetts corporation having a place of business at One Technology Way, P.O. Box 9106, Norwood, MA 02062-9106, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office, bearing attorney docket number A00312.70441, on August 29, 2002 under Serial No. 10/230,534 and entitled METHOD AND APPARATUS FOR CLOCK AND POWER CONTROL IN WIRELESS SYSTEMS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Page 1 of 2

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us/me.

Dec 17 TH 2002 Date	Joern Soerensen
Date	Hitesh Anand
Jan 6 4 7003 Date	Michael S. Allen

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is hereby acknowledged, we, the undersigned, Joern Soerensen, Blaerevej 35, DK-9600 Aars, Denmark; Hitesh Anand, 3210 B, Myra Street, Durham, NC 27707; and Michael S. Allen, 7603 Jester Blvd., Austin, TX 78750; hereby:

Sell, assign and transfer to Analog Devices, Inc., a Massachusetts corporation having a place of business at One Technology Way, P.O. Box 9106, Norwood, MA 02062-9106, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office, bearing attorney docket number A00312.70441, on August 29, 2002 under Serial No. 10/230,534 and entitled METHOD AND APPARATUS FOR CLOCK AND POWER CONTROL IN WIRELESS SYSTEMS, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority.

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, we agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to us relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

PATENT REEL: 013797 FRAME: 0307

Date	Joern Soerensen	
2)22) 2003 Date	Hitesh Anand	
Date	Michael S. Allen	

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full

right to convey the same as herein expressed is possessed by us/me.

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RECORDED: 03/04/2003

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