

FORM PTO-1595



102136901

U.S. Department of Commerce
Patent and Trademark Office

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

1. Name of conveying party(ies):

Khurram Muhammad, 05/13/2002
Dirk Leipold, 05/21/2002

6.14.02



Additional name(s) & address(es)
Attached? ___ Yes X No

2. Name and Address of receiving party(ies):

Name: *Texas Instruments Incorporated*
Address: *P. O. Box 655474, M.S. 3999*
City: *Dallas*
State *Texas* Zip: *75265*

Additional name(s) & address(es)
attached? ___ Yes X No

3. Nature of Conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
___ Other

Execution Date: May 13, 2002, and May 21, 2002.

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)

B. Patent No.(s)

10/132,436

Additional numbers attached? ___ Yes X No

Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: *Ronald O. Neerings*
Address: *Texas Instruments Incorporated*
P. O. Box 655474, M.S. 3999
City: *Dallas*
State: *Texas* Zip: *75265*

6. Number of applications and patents involved: 1

7. Amount of fee enclosed or authorized to be charged: \$40.00

8. Texas Instruments Incorporated, Account Number: 20-0668

DO NOT USE THIS SPACE

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.

Ronald O. Neerings

Signature

Ronald O. Neerings, Reg. #34,227
Name and Registration Number

6/07/02
Date

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

06/26/2002 6TOM11 00000143 200668 10132436
01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been filed on April 25, 2002 and assigned U.S. Serial Number 10/132,436; and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, M.S. 3999, Dallas, TX 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	SUBSAMPLING COMMUNICATION RECEIVER ARCHITECTURE WITH RELAXED IFA READOUT TIMING		
SIGNATURE OF INVENTOR AND NAME	(1) <input checked="" type="checkbox"/> <i>U. Khurram</i> Khurram Muhammad	(2) <input checked="" type="checkbox"/> <i>Dirk</i> Dirk Leipold	(3)
DATE	<input checked="" type="checkbox"/> 5/13/2002	<input checked="" type="checkbox"/> 05-21-02	
RESIDENCE (City, County, State)	Richardson, Dallas, Texas	Plano, Collin, Texas	

After recording return Assignment to:

Ronald O. Neerings
 Texas Instruments Incorporated
 P. O. Box 655474, M/S 3999
 Dallas, TX 75265

**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and I believe that I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ***Subsampling Communication Receiver Architecture with Relaxed IFA Readout Timing***, which is described in U.S. Patent Application Serial Number 10/132,436 filed on April 25, 2002.

I hereby state that I have reviewed and understand the contents of the above identified specification, **including the claims**.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Serial No. 10/099,831, filed March 15, 2002.

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Practitioners at Customer Number 23494

Send correspondence and direct telephone calls to:

Ronald O. Neerings
Texas Instruments Incorporated,
Patent Department
P.O. Box 655474, MS 3999
Dallas, TX 75265

Phone: (972) 917-5299

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of Inventor Khurram Muhammad

Inventor's signature: X *M. Khurram*

Date: X 5/13/2002

Country of Citizenship: Pakistan

Residence and Post Office Address: 430 Buckingham Road, Apt. 417,
Richardson, Texas 75081

Full name of Inventor Dirk Leipold

Inventor's signature: X *Dirk*

Date: X 05-21-02

Country of Citizenship: Germany

Residence and Post Office Address: 3209 Blenheim,
Plano, Texas 75025

3144910v1