

2/2/04

02-04-2004
102661954

To the Assistant Commissioner for Patents. Please record

Filed original documents or copy thereof.

1. Name of conveying party(ies):

Andrew Joy
Robert Simpson
Richard Ward

Additional name(s) attached? ___ Yes ___X___ No

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

Name: Texas Instruments Incorporated
Address: PO Box 655474, M/S 3999
City: Dallas
State: Texas
Zip: 75265

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

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 06/18/2003, 07/01/2003, and 06/19/2003

OFFICE OF PATENT AND TRADEMARK
FINANCE SECTION
2004 FEB -2 11 09 39

4. Application number(s) or patent number(s).

_____ This document is being filed together with a new application.
Execution date of the application: 07/22/2003
Title: Improvements in or relating to data transmission
Docket: TI-32316
Filing Date: 07/22/2003

A. Patent Application No.(s)

10/624,307

Additional numbers attached? ___ Yes ___X___ No

B. Patent No.(s)

Additional numbers attached? ___ Yes ___X___ No

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

Name: Wade James Brady, III
Texas Instruments Incorporated
Address: PO 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

8. Deposit account number (Attach two copies of this form if paying by deposit account): 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.

1/28/04
Date

Wade James Brady, III
Wade James Brady, III, Registration No. 32,080

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1021 40.00 DA

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS LIMITED, (hereinafter **TIL**), a British company of 800 Pavilion Drive, Northampton Business Park, Northampton, NN4 7YL and, by operation of English Law, the rightful owner of all right, title and interest in and to an invention for which an application for letters patent has been filed in the United States as set forth below;
and

WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organised and existing under the laws of the State of Delaware, with its principal office at 7839 Churchill Way, Dallas, Texas 75251, is desirous of acquiring the entire right, title and interest in and to the said invention outside of the United Kingdom, and in and to patent applications filed outside the United Kingdom and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment,

TIL sells and assigns to the said **TEXAS INSTRUMENTS INCORPORATED**, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and in all other countries outside the United Kingdom and in and to the U.S. patent application identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in any other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

TIL hereby authorises and requests the Commissioner of Patents to issue all U.S. patents for said invention, or patents resulting therefrom, insofar as our interest is concerned to the said **TEXAS INSTRUMENTS INCORPORATED**, as assignee of the entire right, title and interest. **TIL** further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect patent rights, and generally to 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.

Title of Invention: **Improvements In Or Relating To Data Transmission**

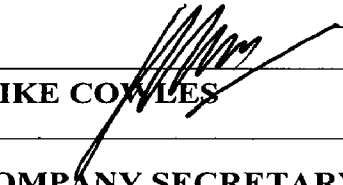
Inventors:

Andy JOY
Robert SIMPSON
Richard WARD


European Patent Application No: **02255122.0**
Filed: **22nd July 2002**

IN WITNESS WHEREOF this Assignment has been executed as set forth below:

Executed for and on behalf of **TEXAS INSTRUMENTS LIMITED**

By: 
Name: MIKE COWLES
Title: COMPANY SECRETARY
Date: 9 - July - 2003

Executed for and on behalf of **TEXAS INSTRUMENTS INCORPORATED**

By: 
Name: MICHAEL HOLT
Title: REGIONAL INTELLECTUAL PROPERTY MANAGER EUROPE
Date: 10th July 2003

ACKNOWLEDGEMENT

I, **Andy JOY, Robert SIMPSON, Richard WARD**, inventors of certain new and useful improvements in the above entitled invention for which application for United States Letters Patent is about to be made, acknowledge that I was an employee of **TEXAS INSTRUMENTS LIMITED**, during the time period which such invention was conceived and reduced to practise. The invention was made in the course of my normal or specifically assigned duties as an employee of **TEXAS INSTRUMENTS LIMITED** and the invention and all rights in it belong to **TEXAS INSTRUMENTS LIMITED** by virtue of Section 39 of the Patents Act 1977.

I hereby further agree that I will communicate to **TEXAS INSTRUMENTS LIMITED** or to its successors, assigns and legal representatives, any facts known to me respecting said invention, and at the expense of **TEXAS INSTRUMENTS LIMITED**, to 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 LIMITED**, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

IN WITNESS WHEREOF, the or each said inventor has hereto set his hand and seal:

A. K. Joy.
Name: **ANDY JOY**

18th June 2003
Date

Robert D Simpson
Name: **ROBERT SIMPSON**

1st July 2003
Date

R. Ward.
Name: **RICHARD WARD**

19th June 03
Date