

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TI-68229 (1962-70000)

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
Christophe Pierre VATINEL
Jerome Henri LOISEL

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: TEXAS INSTRUMENTS INCORPORATED
Internal Address: _____
Street Address: P. O. Box 655474
City: Dallas
State: Texas
Country: US Zip: 75265
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) September 9, 2010
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
12/878,640
Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
Name: TEXAS INSTRUMENTS INCORPORATED
Internal Address: _____
Street Address: P. O. Box 655474
City: Dallas
State: Texas Zip: 75265
Phone Number: _____
Fax Number: (972) 917-4418
Email Address: r-neerings@ti.com

6. Total number of applications and patents involved: One
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
Deposit Account Number 20-0668
Authorized User Name R. Neerings

9. Signature: /Jonathan M. Harris/ September 9, 2010
Signature Date
Jonathan M. Harris
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: **3**

CH \$40.00 200668 12676640

ASSIGNMENT

TI-68229

PARTIES:

1. **TEXAS INSTRUMENTS FRANCE (ASSIGNOR)** a company organised and existing under the laws of France, with its principal place of business at 821 Avenue Jack Kilby, B.P.5, 06271 Villeneuve-Loubet, FRANCE;
2. **TEXAS INSTRUMENTS INCORPORATED (ASSIGNEE)** a company organised and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, Dallas, Texas 75251, United States of America;

RECITALS:

- A. **ASSIGNOR** is jointly entitled with **ASSIGNEE** to the full and exclusive right, title and interest in and to certain inventions in respect of which at least one application for letters patent ("the Application") has been filed as set forth in the Schedule to this Assignment;
- B. **ASSIGNOR** has agreed to assign to the **ASSIGNEE** the full and exclusive right, title and interest in and to the inventions and the Application in respect of all states except FRANCE upon the terms and conditions set forth below;

OPERATIVE PROVISIONS:

In pursuance of an earlier agreement, and in consideration of the sum payable in respect thereof (receipt of which is hereby acknowledged) the **ASSIGNOR** hereby:


- (i) **ASSIGNS** unto the **ASSIGNEE**, its successors and assigns, the full and exclusive right, title and interest in and to the inventions in all states except FRANCE, and in and to the Application in respect of all states except FRANCE, and to all letters patents that may issue from the Application or be issued in respect of the inventions, and in and to all divisions, reissues, substitutions, continuations, and extensions of the Application or any application for letters patent filed in respect of said inventions; and the right to file applications for, and obtain letters patent, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;
- (ii) authorises and requests that the national authorities of each state (except FRANCE) issue the Application, and any and all letters patent issued in respect of the inventions, or any and all letters patent resulting from the Application, insofar as Assignor's interest is concerned to the said **ASSIGNEE**, as assignee of the full and exclusive right, title and interest in and to the Application and the inventions. **ASSIGNOR** further agrees to execute any and all applications for letters patent, assignments, affidavits, and any other papers in connection therewith necessary to perfect patent rights, and generally to do everything possible to aid said **ASSIGNEE**, its successors, assigns and nominees to obtain and enforce proper patent protection for said inventions in all countries.

SCHEDULE**THE APPLICATION(S)**

APPLICATION NUMBER	DATE FILED	TITLE
EP 09290687.4	September 9, 2009	FREQUENCY ADAPTATION
US		CHANGING AN OPERATING PERFORMANCE POINT

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

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

By: 

Name: Christian T.R.D.

Title: Managing Director

Date: 9th September, 2010

ACKNOWLEDGEMENT

We, **Christophe Pierre VATINEL** and **Jerome Henri LOISEL**, co-inventors of certain new and useful improvements in the above entitled invention for which an application for letters patent is about to be made, acknowledge that we were each employees of **TEXAS INSTRUMENTS FRANCE** on the date on which said invention was conceived and reduced to practise, that our invention was made in the course of our normal or specifically assigned duties as employees of **TEXAS INSTRUMENTS FRANCE** and that under French National Law our invention and all rights in it belong to **TEXAS INSTRUMENTS FRANCE**.

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

IN WITNESS WHEREOF, the each inventor has hereto set his hand and seal;


Name: **Christophe Pierre VATINEL**

09/09/2010
Date


Name: **Jerome Henri LOISEL**

09/09/2010
Date