

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

1. Name of conveying party(ies):

Markus Dielt
Sotirios Tambouris

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

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

Name: Texas Instruments Deutschland GmbH
A German company of Haggertystrasse 1
85356 Freising
GERMANY

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date : Markus Dielt, 04/18/2005; Sotirios Tambouris, 4/18/2005; Texas Instruments Deutschland, GmbH, 04/18/2005.

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: Markus Dielt, 03/10/2005;
Sotirios Tambouris, 03/17/2005.

A. Patent Application No.(s)

B. Patent No.(s)

B. Title: PHASE ADJUSTING CIRCUIT FOR MINIMIZED
IRREGULARITIES AT PHASE STEPS

Serial No. 11/058,464 filed 02/14/2005

Additional numbers attached? Yes No

Additional numbers attached? Yes No

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

Name: William B. Kempler
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

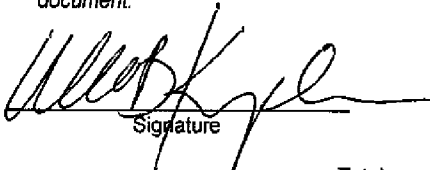
7. Amount of fee enclosed or authorized to be charged: \$40.00

8. Deposit account number : 20-0668

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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.



Signature

William B. Kempler, Reg. No. 28,228
Name of Person Signing

8/11/05
Date

Total number of pages including cover sheet, attachments and document: 6

CH \$40.00 200668 11058464

ASSIGNMENT

WHEREAS, Texas Instruments Deutschland GmbH (hereinafter **TID**), a German company of Haggertystrasse 1, 85356 Freising, Germany, as unlimited claimant under German Law relating to inventions of employees, owns all rights in an invention as set forth below including the right to apply for legal protection in Germany and all other countries, and has filed application for patent in Germany in respect of said invention, as identified below;

WHEREAS, the or each below named inventor (hereinafter **INVENTOR**) is the or an inventor of the said invention;

WHEREAS, TID, is desirous of acquiring the entire right, title and interest of **INVENTOR** in and to the said invention outside of Germany, and in and to patent applications filed and any Letters Patent that may issue thereon outside of Germany;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment, **INVENTOR** sells and assigns to the said **Texas Instruments Deutschland GmbH**, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Germany; in and to the U.S. patent application as 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 its own name in any said 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;

INVENTOR hereby authorizes and requests the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **INVENTOR** is concerned, to the said **Texas Instruments Deutschland GmbH**, as assignee of the entire right, title and interest.

INVENTOR further agrees to communicate to **TID** or to its successors, assigns and legal representatives, any facts known to **INVENTOR** respecting the said invention, and at the expense of **TID**, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally do everything possible to aid said **TID**, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside Germany.

**PHASE ADJUSTING CIRCUIT FOR MINIMIZED
IRREGULARITIES AT PHASE STEPS**

Title of Invention

MARKUS, Dietl (nmi); SOTIRIOS, Tambouris (nmi)
Inventors

German Patent Application No.: 102004007172.1 Filed: 13 February 2004

U.S. Application Serial No.: TBA Filed: 14 February 2005

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

Executed for and on behalf of **Texas Instruments Deutschland, GmbH**

Name:



Title:

Eduard Baumer
~~Director Finance and Administration~~

Date:

April 18, 2005

and by the **INVENTOR:**

(1)



Markus (nmi) DIETL

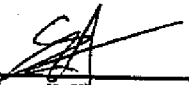
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Date

18.04.05

TID-32573
Assignment
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(2)



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18. April 05
Date