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RECORDATION FORM COVER SHEET PATENTS ONLY TI-73428 [1962-8330]		
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1. Name of conveying party(ies) First Inventor, Christian Wiencke, August 19, 2013 Second Inventor, Armin Stingl, August 12, 2013	2. Name and address of receiving party(ies) Name: TEXAS INSTRUMENTS INCORPORATED Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s)	Street Address: P. O. Box 655474	
	_{City:} Dallas	
Joint Research Agreement	State: Texas	
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: US Zip: 75265	
Other	Additional name(s) & address(es) attached? Yes X No	
4. Application or patent number(s): This A. Patent Application No.(s) 13/974,908	document is being filed together with a new application. B. Patent No.(s)	
Additional numbers attached? Yes X No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One	
Name: TEXAS INSTRUMENTS INCORPORATED	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	

9. Signature:	/David M. Wilson/	August 23, 2013
AMAZON ATT ATT ATT ATT ATT ATT ATT ATT ATT AT	Signature	Date
	David M. Wilson	Total number of pages including cover sheet, attachments, and documents:
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> **PATENT REEL: 031228 FRAME: 0286**

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None required (government interest not affecting title)

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8. Payment Information

Internal Address:_

City: Dallas

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Phone Number: 214-479-1156

Fax Number: (214) 479-1273

Email Address:_uspto@ti.com

Street Address: 12500 TI Boulevard - M/S 3999

Zip: 75243

Name of Person Signing

Application No. 13/974, 908

Attorney Docket No. TI-73428

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.

WHEREAS, TEXAS INSTRUMENTS DEUTSCHLAND GMBH, a corporation organized and existing under the laws of Germany, with a place of business at Haggertystrasse 1, Freising, Germany 85356, 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, as well as to U.S. Provisional Application No(s). _______, filed _______;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS DEUTSCHLAND GMBH, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, to the said TEXAS INSTRUMENTS DEUTSCHLAND GMBH, as assignee of my entire right, title and interest.

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

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS DEUTSCHLAND GMBH, 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 DEUTSCHLAND GMBH, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I authorize the later insertion of the nonprovisional application number and filing date hereinbelow.

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

TITILE	PROCESSOR WI	TH EFFICIENT A	ARITHMETIC UNITS
NONPROVISIONAL APPLICATION NO.	13/974, 908	FILING DATE	August 23,2013

SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Christian Wiencke
DATE	08/19/2013
RESIDENCE (CITY AND STATE)	Garching, Germany

Application No. 13/974, 908

Attorney Docket No. TI-73428

SIGNATURE OF INVENTOR	Mul
PRINTED NAME OF INVENTOR	Armin Stingl
DATE	08/12/2013
RESIDENCE (CITY AND STATE)	Erding, Germany

After recording, return Assignment to: Texas Instruments Incorporated

Texas Instruments Incorporated 12500 TI Boulevard (M/S 3999) Dallas, Texas 75243