

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Michael S. Harwood</td><td>03/10/2008</td></tr><tr><td>Andre Szczepanek</td><td>03/10/2008</td></tr><tr><td>Derek Colman</td><td>03/07/2008</td></tr></tbody></table>	Name	Execution Date	Michael S. Harwood	03/10/2008	Andre Szczepanek	03/10/2008	Derek Colman	03/07/2008	
Name	Execution Date								
Michael S. Harwood	03/10/2008								
Andre Szczepanek	03/10/2008								
Derek Colman	03/07/2008								
RECEIVING PARTY DATA									
Name:	Texas Instruments Incorporated								
Street Address:	P.O. Box 655474								
Internal Address:	MS 3999								
City:	Dallas								
State/Country:	TEXAS								
Postal Code:	75265								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12028461</td></tr></tbody></table>	Property Type	Number	Application Number:	12028461					
Property Type	Number								
Application Number:	12028461								
CORRESPONDENCE DATA									
Fax Number:	(972)917-4418								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 4:	DALLAS, TEXAS 75265								
ATTORNEY DOCKET NUMBER:	TI-63543								
NAME OF SUBMITTER:	Alan K. Stewart								
Total Attachments: 2									

CH \$40.00 12028461

500519196

PATENT
REEL: 020834 FRAME: 0138

ASSIGNMENT

WHEREAS, **TEXAS INSTRUMENTS LIMITED**, (hereinafter **TIL**), a British company of 800 Pavilion Drive, Mail Station 13, Northampton Business Park, Northampton NN4 7YL, United Kingdom and, by operation of English Law, the beneficial owners of all right, title and interest in an invention for which it has filed application in its own name for letters patent in the United Kingdom as set forth below; 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, Mail Station 3999, Dallas, Texas 75251, USA, 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, as of date executed, **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 authorizes 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 other than the United Kingdom.

Title of Invention: Transmitter Including Pre-Distortion

Inventor: Michael S. Harwood, Andre Szczepanek, Derek Colman

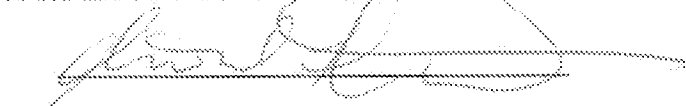
U.K. Patent Application No. 0702627.1 Filed: February 9, 2007

U.S. Application Serial No. 61/016,902 (TI-63543P), Filed: December 27, 2007

U.S. Application Serial No. 12/028,461 Filed: February 8, 2008

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

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

By: 

Name: Michael Harwood

Title: Regional IP Manager Europe

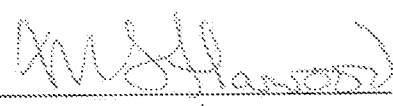
Date: 10 March 2008

ACKNOWLEDGMENT

I, Michael S. Harwood, Andre Szczepanek, Derek Colman, inventor of certain new and useful improvements in the above entitled invention for which application for United States Letters Patent has been made, acknowledge that I am a employee of TEXAS INSTRUMENTS LIMITED, that my invention was made in the course of my normal or specifically assigned duties as an employee of TEXAS INSTRUMENTS LIMITED and that my 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:


Michael S. Harwood

10 March 08
Date


Andre Szczepanek

10 March 08
Date


Derek Colman

7 Mar 08
Date