

ATTORNEY'S DOCKET NO.

TI-32862

 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, the said application having been executed on the date set forth below; and

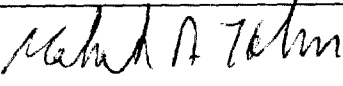

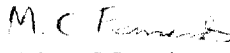
WHEREAS, TEXAS INSTRUMENTS INCORPORATED, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75251, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

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

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

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

TITLE OF INVENTION	A SUBSAMPLING RF RECEIVER ARCHITECTURE		
SIGNATURE OF INVENTOR AND NAME	 Mohamed A.I. Mostafa	 Sherif Embabi	 Moderage C. Fernando
DATE	2-8-02	2/25/2002	2-27-02
RESIDENCE (City, County, State)	2250 Monroe St., #267, Santa Clara, Santa Clara County, California 95050	3929 Evesham Drive, Plano, Collin County, Texas 75025	3401 Danbury Lane, Plano, Collin County, Texas 75074
DATE APPLICATION EXECUTED	8 Feb 2002 RMA	25 Feb 2002 RMA	27 Feb 2002 RMA

After recording returning Assignment to:

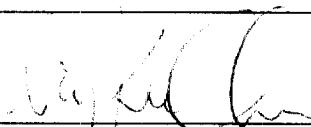
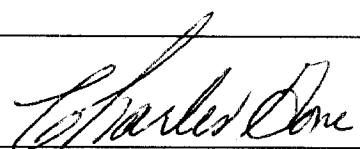
Ronald O. Neerings, Esq.
Texas Instruments Incorporated
P.O. Box 655474, M/S 3999
Dallas, Texas 75265

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ASSIGNMENT

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

TITLE OF INVENTION	A SUBSAMPLING RF RECEIVER ARCHITECTURE	
SIGNATURE OF INVENTOR AND NAME	Wing Kan Chan 	Charles Gore 
DATE	Feb 27, 2002	March 14, 2002
RESIDENCE (City, County, State)	202 Sunridge Way, Allen, Collin County, Texas 75002	1821 Savannah Drive, McKinney, Collin County, Texas 75070
DATE APPLICATION EXECUTED	27 Feb 2002 RWA	14 March 2002 RWA

After recording returning Assignment to:

Ronald O. Neerings, Esq.
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P.O. Box 655474, M/S 3999
Dallas, Texas 75265