09-09-1998 100824983 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and Address of receiving party(ies): Name: Texas Instruments Incorporated Everardo D. Ruiz & Andrew M. Henwood Internal Address: P. O. Box 655474, M/S 3999 Street Address: 7839 Churchill Way City: Dallas State: Texas

FORM PTO-1595

1. Name of conveying party(ies):

Additional name(s) attached? ___ Yes _X_ No Zip: 75265 Additional name(s) & address(es) attached? ___ Yes _X_ No 3. Nature of Conveyance: X Assignment Merger Security Agreement Change of Name Other ____ Execution Date: 08/28/98 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: 08/28/98 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? _____ Yes __X_ No Additional numbers attached? _____ Yes _X___ No 5. Name and address of party to whom correspondence concerning 6. Number of applications and patents involved: 1 document should be mailed: Name: Ronald O. Neerings Internal Address: P. O. Box 655474, M/S 3999 Street Address: 7839 Churchill Way City: Dallas Zip: 75265 State:Texas Amount of fee enclosed or authorized to be charged: \$40.00 09/09/1998 JSHABAZZ 00000018 200668 09143712 8. Deposit account number (Attach two copies of this form if 01 FC:581 40.00 CH paying by deposit account): 20-0668 DO NOT USE THIS SPACE 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

Total number of pages including cover sheet, attachments, and document: 2

Name of Person Signing: Ronald O. Neerings, Reg. No. 34,227

U.S. Department of Commerce **Patent and Trademark Office**

ATTORNEY DOCKET NO.

TI-27931

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, a place of business at 7839 Churchill Way, MS 3999, Dallas, Texas 75265, 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 and 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	MOBILE DEVICE ASSISTED HANDOFF SYSTEM FOR CODE DIVISION MULTIPLE ACCESS AND WIDEBAND CODE DIVISION MULTIPLE ACCESS NETWORKS	
SIGNATURE OF INVENTOR AND NAME	Everardo D. Ruiz	Andrew M. Henwood
DATE	28 - tug 1998	28. Angrist. 1998
RESIDENCE (City, County, State)	Richardson Dallas Texas	Dallas Dallas Texas
DATE APPLICATION EXECUTED	28-Aug -1998	28. Angrist 199B

After recording return Assignment to:

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

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Everardo D. Ruiz & Andrew M. Henwood	Name: Texas Instruments Incorporated Internal Address: P. O. Box 655474, M/S 3999 Street Address: 7839 Churchill Way		
Additional name(c) attached? Yes Y No.	City: Dallas		
Additional name(s) attached?Yes _X No	State: Texas Zip: 75265		
	Additional name(s) & address(es) attached? Yes _X_ No		
3. Nature of Conveyance:			
X Assignment Merger			
Security Agreement Change of Name			
Other			
Execution Date: 08/28/98			
 4. Application number(s) or patent number(s). If this document is being filed together with a new application, the ex A. Patent Application No.(s) Additional numbers attached? YesX No 	recution date of the application is: 08/28/98 B. Patent No.(s)		
	Additional numbers attached? Yes _X No		
Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:1		
Name: Ronald O. Neerings Internal Address: P. O. Box 655474, M/S 3999 Street Address: 7839 Churchill Way			
City: Dallas			
State:Texas Zip: 75265			
	7. Amount of fee enclosed or authorized to be charged: \$40.00		
	Deposit account number (Attach two copies of this form if paying by deposit account): 20-0668		
DO NOT US	E THIS SPACE		
9. Statement and signature.			
To the best of my knowledge and belief, the foregoing information is a document.	true and correct and any attached copy is a true copy of the original		
Signature Name Date: $9/31/98$ Total number of pages including cover s	of Person Signing: Ronald O. Neerings, Reg. No. 34,227		

PATENT REEL: 9429 FRAME: 0086