

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Gordon Bremer		06/01/1993
RECEIVING PARTY DATA		
Name:	American Telephone and Telegraph Company	
Street Address:	32 Avenue Of The Americas	
City:	New York	
State/Country:	NEW YORK	
Postal Code:	10013-2412	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Patent Number:	5642379	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	061605-0300	
NAME OF SUBMITTER:	Scott A. Horstemeyer	
Total Attachments: 2		
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PATENT  
REEL: 017706 FRAME: 0679

## ASSIGNMENT AND AGREEMENT

For value received, I, Gordon Bremer, of Clearwater in the County of Pinellas and State of Florida, hereby sell, assign and transfer to the AMERICAN TELEPHONE AND TELEGRAPH COMPANY, a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, U.S.A., and its successors, assigns and legal representatives, hereinafter collectively AT&T, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Technique for Modulating Orthogonal Signals With One or More Analog or Digital Signals** described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to AT&T the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize AT&T to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to AT&T in the United States and to AT&T in all countries foreign to the United States, or to such nominees as they may designate.

REEL 623 FRAME 867

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G. Bremer 24

I agree that, when requested, I shall, without charge to AT&T but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Gordon Bremer  
Gordon Bremer

Date: 6/1/93

United States of America )  
State of Florida ) ss.:  
County of Pinellas )

On this 1<sup>st</sup> day of June, 1993, before me personally came Gordon Bremer, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Jodie L. Kulek  
Notary Public



OFFICIAL SEAL  
JODIE L. KULEK  
My Commission Expires  
June 21, 1996  
Comm. No. CC 209290

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PATENT AND TRADEMARK  
OFFICE

JUN 14 1993

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