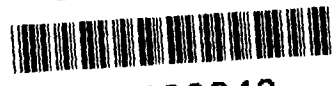


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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Customer ID No.: 007212

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy.

1. Name of conveying party(ies):  Germar Schaefer Danny J. Minnick  Additional names(s) of conveying party(ies) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies):  Name: EchoStar Communications Corporation Address: 90 Inverness Circle East  City: Englewood State/Prov.: CO Country: U.S.A. ZIP: 80155  Additional name(s) & address(es) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  Execution Date: March 11, 1999	

4. Application number(s) or registration numbers(s): 09/280,130 If this document is being filed together with a new application, the execution date of the application is: March 11, 1999  Patent Application No. Filing date  TITLE: METHOD AND APPARATUS FOR TIME SHIFTING AND CONTROLLING BROADCAST AUDIO AND VIDEO SIGNALS  Additional numbers <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	B. Patent No.(s)
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5. Name and address of party to whom correspondence concerning document should be mailed:  Name: James E. Pittenger Registration No. 26,217 Address: 717 - 17th St., Suite 1470 (04/09/1999 JSMBRZZ 00000164 09200130) (01 FC:581 40.00 DP)  City: Denver State/Prov.: CO Country: U.S.A. ZIP: 80202	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41): \$ 40.00  <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number: 16-1890 (Attach duplicate copy of this page if paying by deposit account)
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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. James E. Pittenger Name of Person Signing	 Signature	March 25, 1999 Date
Total number of pages including cover sheet, attachments, and 4		

# ASSIGNMENT


WHEREAS, We, Germar Schaefer, Danny J. Minnick and Douglas E. McGary, have invented a certain new and useful invention in an "METHOD AND APPARATUS FOR TIME SHIFTING AND CONTROLLING BROADCAST AUDIO AND VIDEO SIGNALS" for which we filed U.S. Provisional patent application 60/068,684, on December 24, 1997, and U.S. Utility patent application Serial No. 09/151,246, on September 14, 1998, and for which we are about to make application for a Continuation-In-Part patent of the United States, said application being identified as Docket No. P5202CIP and filed as a United States patent application; and

WHEREAS, EchoStar Communications Corporation, a Colorado Corporation, of 90 Inverness Circle East, Englewood, Colorado 80155, is desirous of acquiring the entire right, title and interest to said invention and any and all patent applications and patents resulting therefore;

NOW, THEREFORE, be it known that for and in consideration of the sum of Ten Dollars (\$10.00) and certain other good and valuable considerations to us in hand paid, the receipt whereof is hereby acknowledged; We, the said Germar Schaefer, Danny J. Minnick and Douglas E. McGary, by these presents do sell, assign and transfer unto the said EchoStar Communications Corporation, its successors, legal representatives and assigns, the entire right, title and interest in and to the said invention, the aforesaid provisional patent application, utility patent application and Continuation-In-Part patent application and any future patent applications and patents therefrom for the territory of the United States of America, applications and patents in all foreign countries, and to all industrial designs, continuations, reissues and extensions to be obtained therefore; and we further agree to cooperate with the assignee hereunder in the signing, obtaining and sustaining of any and all such applications and patents, but at the expense of said assignee.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue the Patent or Patents solely in accordance with the terms of this Assignment, to EchoStar Communications Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

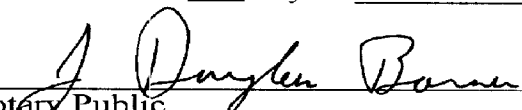
IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the day indicated hereinafter.

  
\_\_\_\_\_  
Germar Schaefer

STATE OF COLORADO                    )  
  ) ss.  
County of                                )


Before me, a Notary Public in and for said County and State, personally appeared Germar Schaefer, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 15 day of March, 1999.

  
\_\_\_\_\_  
Notary Public

My commission expires: 12/19/2001

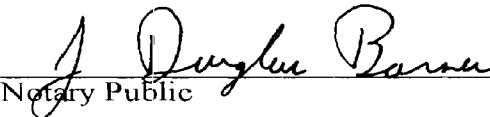
SEAL

  
\_\_\_\_\_  
Danny J. Minnick

STATE OF COLORADO       )  
                                      ) ss.  
County of                        )

Before me, a Notary Public in and for said County and State, personally appeared Danny J. Minnick, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 11 day of March, 1999.

  
\_\_\_\_\_  
Notary Public

SEAL

My commission expires: 12/19/2001

\_\_\_\_\_  
Douglas E. McGary

STATE OF COLORADO       )  
                                      ) ss.  
County of                        )

Before me, a Notary Public in and for said County and State, personally appeared Douglas E. McGary, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Notary Public

SEAL

My commission expires: