

05-09-2005



102997802

PD-204033

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

1. Name of conveying party(ies):  
James A. Michener  
Leon Stanger

Additional Name(s) of conveying party(ies) attached?  
yes  no

2. Name and address of receiving party(ies):  
Name: The DIRECTV Group, Inc.  
Internal Address: RE/R11/A109  
P. O. Box 956  
El Segundo, CA 90245-0956

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: February 22, 2005

Street Address: 2250 E. Imperial Highway  
El Segundo, California 90245  
Additional name(s) & address(es) attached?  yes  no

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: February 22, 2005.

A. Patent Application No.(s) | B. Patent No.(s)

Additional numbers attached?  yes  no

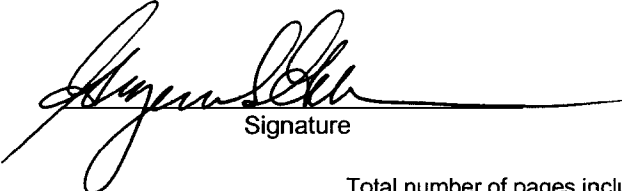
5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: The DIRECTV Group, Inc.  
Internal Address: RE/R11/A109  
P. O. Box 956  
El Segundo, CA 90245-0956

**PLEASE ASSOCIATE THIS APPLICATION WITH CUSTOMER NO. 020991.**

6. Total number of applications and patents involved: [ 1 ]  
7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
50-0383  
(Attached duplicate copy of this page if paying by deposit account)

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.*

Georgann S. Grunebach  April 29, 2005  
Name of Person Signing | Signature | Date  
Registration No. 33,179

Total number of pages including cover sheet: Four (4)

4-29-05

113277 U.S. PTO  
11/118926



042905

**ASSIGNMENT**Page 1 of 3  
PD-204033

WHEREAS, I, as below named joint inventor of the city and state as stated below next to my name, have invented a **MERGING OF MULTIPLE ENCODED AUDIO-VIDEO STREAMS INTO ONE PROGRAM WITH SOURCE CLOCK FREQUENCY LOCKED AND ENCODER CLOCK SYNCHRONIZED** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_.

WHEREAS, **THE DIRECTV GROUP, INC.**, (hereinafter referred to as **DIRECTV**), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to **DIRECTV**, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said **DIRECTV**, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to **DIRECTV**, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by **DIRECTV**, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of **DIRECTV**, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in **DIRECTV**, its successors, assigns or other legal representatives.

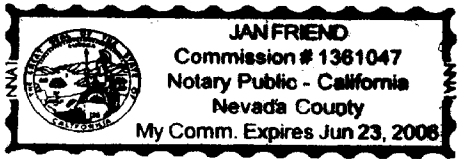
IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR <b>James A. Michener</b>	INVENTOR'S SIGNATURE <i>James A Michener</i>	DATE <i>2/22/05</i>
RESIDENCE (CITY AND STATE) <b>16851 Aileen Way Grass Valley, California 95949</b>		
FULL NAME OF SOLE OR JOINT INVENTOR <b>Leon J. Stanger</b>	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) <b>546 Woodland Drive Farmington, Utah 84025</b>		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		

STATE OF California )  
COUNTY OF Nevada ) SS:  
On February 22, 2005 before me Jan Friend,  
a Notary Public in and for said State, personally appeared James A. Michener,

personally known to me or  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



*Jan Friend*  
Notary Public

IN WITNESS WHEREOF, I have executed this instrument.

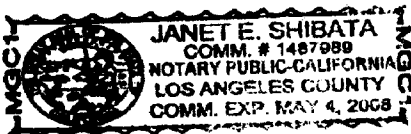
FULL NAME OF SOLE OR JOINT INVENTOR <b>James A. Michener</b>	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) <b>16851 Aileen Way Grass Valley, California 95949</b>		
FULL NAME OF SOLE OR JOINT INVENTOR <b>Leon J. Stanger</b>	INVENTOR'S SIGNATURE <i>Leon J Stanger</i>	DATE <b>22 Feb 05</b>
RESIDENCE (CITY AND STATE) <b>546 Woodland Drive Farmington, Utah 84025</b>		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS:

On February 22, 2005 before me, JANET E. SHIBATA,  
a Notary Public in and for said State, personally appeared  
LEON J. STANGER

personally known to me or  proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



*Janet E. Shibata*  
Notary Public