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09-08-2006



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

David E. Shanks; Edgar Camacho;
Matthew J. Thompson; Craig Le;
Mark A. Shurgot; Ilan Tirer
David E. Feldstein;

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: CA / LA1 / A109

P.O. BOX 956

Street Address: 2250 E. IMPERIAL HIGHWAY

City: EL SEGUNDO

State: CALIFORNIA

Country: U.S.A. Zip: 90245-0956

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) AUGUST 30, 2006

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: THE DIRECTV GROUP, INC.

Internal Address: CA / LA1 / A109

P.O. BOX 956

Street Address: 2250 E. IMPERIAL HIGHWAY

City: EL SEGUNDO

State: CALIFORNIA Zip: 90245-0956

Phone Number: 310-964-4615

Fax Number: 310-964-0941

Email Address: gsgrunebach@directv.com

6. Total number of applications and patents involved: ONE

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 11513992
Expiration Date _____

b. Deposit Account Number 50-0383

Authorized User Name Georgann S. Grunebach

9. Signature:

Signature

AUGUST 31, 2006
Date

GEORGANN S. GRUNEBACH
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents 5

11/5/06 U.S. PTO 11/5/3992



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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

09/07/2006 11:51:39
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ASSIGNMENT

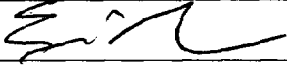
Page 1 of 4
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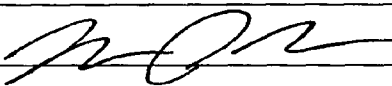
WHEREAS, WE, DAVID ERIC SHANKS, MATTHEW J. THOMPSON, MARK A. SHURGOT, DAVID E. FELDSTEIN, EDGAR CAMACHO, CRAIG LE and ILAN TIRER, as below named joint inventors, of the city and state as stated below next to our names, have invented an **MOSAIC CHANNEL VIDEO STREAM WITH INTERACTIVE SERVICES** for which application for Letters Patent of the United States has been executed by us on this day, or (if the following is completed) filed on _____ as Serial No. _____; and which application claims benefit of U.S. provisional application with Serial No. 60/715,234 filed on September 8, 2005.

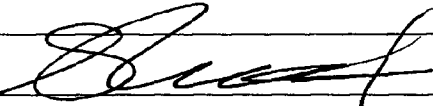
WHEREAS, The DIRECTV Group, Inc. (hereinafter referred to as the "Company"), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any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

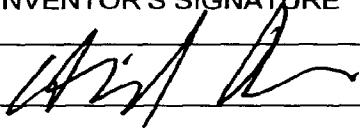
NOW, THEREFORE, in consideration of the obligations voluntarily assumed by us and set forth in an invention agreement between us and our employer, effective the date as stated below next to our names, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer to the Company, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by us, 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 therefore 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 Company, 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 the Company, its successors, assigns or other legal representatives, upon request and at no cost or expense to us, any facts known by us 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 the Company, 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 the Company, 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 the Company, its successors, assigns or other legal representative.

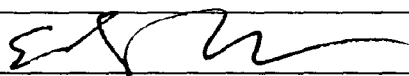
IN WITNESS WHEREOF, I have executed this instrument.

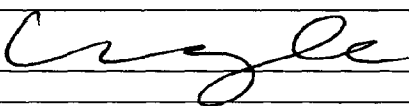
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
DAVID E. SHANKS RESIDENT (CITY AND STATE)		8/30/06
Los Angeles, California		

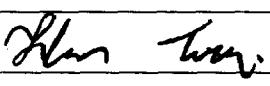
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
MATTHEW J. THOMPSON RESIDENT (CITY AND STATE)		8/30/2006
Torrance, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
MARK A. SHURGOT RESIDENT (CITY AND STATE)		8/30/2006
Los Angeles, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
DAVID E. FELDSTEIN RESIDENT (CITY AND STATE)		8/30/2006
Santa Monica, California		


FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
EDGAR CAMACHO RESIDENT (CITY AND STATE)		8/30/2006
Torrance, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
CRAIG LE RESIDENT (CITY AND STATE)		8/30/06
Temple City, California		

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
ILAN TIRER RESIDENT (CITY AND STATE)		8/30/06
Lomita, California		

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is 2230 E. Imperial Highway, El Segundo, California 90245, was personally present and did see **MARK A. SHURGOT** and **CRAIG LE**, who are known to me, execute the above assignment.



(signature of witness)

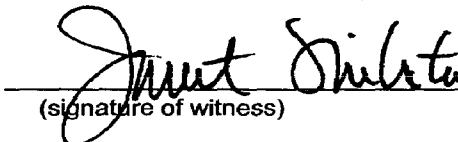
Date: August 30, 2006

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is
(name of witness)

2230 E. Imperial Highway, El Segundo, CA 90245
(address of witness)

was personally present and did see **DAVID E. SHANKS** who is known to me, execute the above assignment.



(signature of witness)

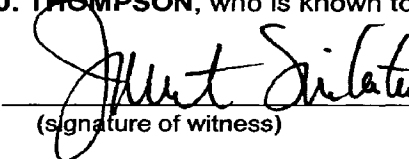
Date: August 30, 2006

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is
(name of witness)

2230 E. Imperial Highway, El Segundo, CA 90245
(address of witness)

was personally present and did see **MATTHEW J. THOMPSON**, who is known to me, execute the above assignment.



(signature of witness)

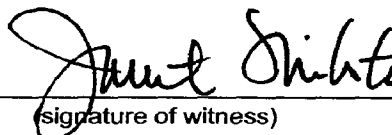
Date: August 30, 2006

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is
(name of witness)

2230 E. Imperial Highway, El Segundo, CA 90245
(address of witness)

was personally present and did see **DAVID E. FELDSTEIN** who is known to me, execute the above assignment.



(signature of witness)

Date: August 30, 2006

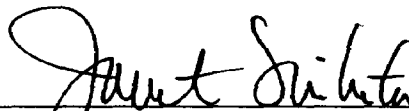
Date:

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is
(name of witness)

2230 E. Imperial Highway, El Segundo, California 90245
(address of witness)

was personally present and did see **EDGAR CAMACHO** who is known to me, execute the above
assignment.


(signature of witness)

Date: August 30, 2006