

04-11-2007

PD-206065



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To the Director of the U.S. Patent a.

documents or the new address(es) below.

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L.A.H.C.

1. Name of conveying party(ies)

Michael R. Munsell
Carl Ostrom
Mitchell B. Wasden

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: P. O. Box 956

Street Address: 2230 E. Imperial Highway

City: El Segundo

State: California

Country: US Zip: 90245

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

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

Execution Date(s) March 16, 2007; March 12, 2007;

Assignment March 22, 2007

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: 2230 E. Imperial Highway

City: El Segundo

State: CA Zip: 90245

Phone Number: 310-964-4615

Fax Number: 310-964-0941

Email Address: gsgrunebach@diracv.com

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

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 _____
Expiration Date _____

b. Deposit Account Number 50-0383

Authorized User Name Georgann S. Grunebach

9. Signature:

Signature

March 26, 2007
Date

Georgann S. Grunebach
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: _____

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

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04/10/2007
FC-003



ASSIGNMENT

WHEREAS, MICHAEL R. MUNSELL, CARL OSTROM and MITCHELL B. WASDEN, as below named joint inventors of the city and state as stated below next to our names, have invented a(an) **METHOD AND SYSTEM FOR INSERTING DIGITAL VIDEO EFFECTS INTO A VIDEO STREAM IN REDUNDANT PATHS BEFORE ROUTING** 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. _____;

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 invention agreements 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; 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 representatives.

IN WITNESS WHEREOF, we have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR MICHAEL R. MUNSELL	INVENTOR'S SIGNATURE <i>M. Munsell</i>	DATE ^{16 PM} 3/17/07
RESIDENCE (CITY AND STATE) Playa del Rey, California		

FULL NAME OF SOLE OR JOINT INVENTOR CARL OSTROM	INVENTOR'S SIGNATURE <i>Carl Ostrom</i>	DATE Mar. 12, 2007
RESIDENCE (CITY AND STATE) Nevada City, California		

FULL NAME OF SOLE OR JOINT INVENTOR MITCHELL B. WARDEN	INVENTOR'S SIGNATURE <i>Mitchell B. Warden</i>	DATE 3/22/07
RESIDENCE (CITY AND STATE) Redondo Beach, California		

STATEMENT BY WITNESS

I, JANET SHIBATA, whose full post office address is 2230 E. Imperial Highway, El Segundo, California 90245
(name of witness) (address of witness)

was personally present and did see **MICHAEL R. MUNSELL**, who is known to me, execute the above assignment.

Janet Shibata

(signature of witness)

STATEMENT BY WITNESS

I, Crystal Ostrom, whose full post office address is
(name of witness)

21293 Scotts Flat Rd. Nevada City, CA 95959
(address of witness)

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

Crystal Ostrom
(signature of witness)

STATEMENT BY WITNESS

I, MICHAEL R. MUNSELL, whose full post office address is 2300 E. Imperial Highway, El Segundo,
(name of witness) (address of witness)

California 90245, was personally present and did see **MITCHELL B. WARDEN**, who is known to me, execute the above assignment.

(signature of witness)

State of California)
) ss.
County of Los Angeles)

On March 22, 2007, before me, Janet E. Shibata, a Notary Public in and for said State, personally appeared MITCHELL B. WARDEN, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Janet E. Shibata
Notary Public

