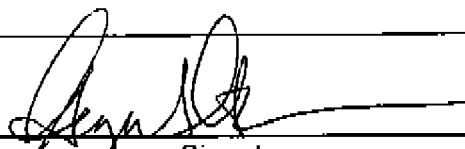


Serial No. 11/529,915

9. Signature:



Signature
Georgann S. Grunebach

Name of Person Signing

December 4, 2006
Date

Total number of pages including cover sheet, attachments and documents: 13

**THEDIRECTVGROUP**

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ASSIGNMENT

WHEREAS, TONY ROSSELL, PAUL CHRISTENSON, CECILIA C. COMEAUX, SALVADOR A. LOZANO and WAYNE LADRACH, as below named joint inventors of the city and state as stated below next to our names, have invented a **METHOD AND SYSTEM FOR BROADCASTING IN A SATELLITE COMMUNICATION SYSTEM WHEN SWITCHING BETWEEN A PRIMARY SITE AND A DIVERSE SITE** for which application for Letters Patent of the United States has been filed on **September 29, 2006, as Serial No. 11/529,915;**

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 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

PATENT**REEL: 018592 FRAME: 0183**

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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 ANTHONY (TONY) ROSSELL RESIDENCE (CITY AND STATE) Palm City, Florida	INVENTOR'S SIGNATURE 	DATE Nov. 27, 2006
---	--	-----------------------

FULL NAME OF SOLE OR JOINT INVENTOR PAUL CHRISTENSON RESIDENCE (CITY AND STATE) Elizabeth, Colorado	INVENTOR'S SIGNATURE	DATE
--	----------------------	------

FULL NAME OF SOLE OR JOINT INVENTOR CECILIA C. COMEAUX RESIDENCE (CITY AND STATE) Redondo Beach, California	INVENTOR'S SIGNATURE	DATE
--	----------------------	------

FULL NAME OF SOLE OR JOINT INVENTOR SALVADOR A. LOZANO RESIDENCE (CITY AND STATE) Downey, California	INVENTOR'S SIGNATURE	DATE
---	----------------------	------


FULL NAME OF SOLE OR JOINT INVENTOR WAYNE LADRACH RESIDENCE (CITY AND STATE) Playa del Rey, California	INVENTOR'S SIGNATURE	DATE
---	----------------------	------

ASSIGNMENT
PD-206049
Page 2 of 4

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 ANTHONY (TONY) ROSSELL	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Palm City, Florida		

FULL NAME OF SOLE OR JOINT INVENTOR PAUL CHRISTENSON	INVENTOR'S SIGNATURE 	DATE 11/20/06
RESIDENCE (CITY AND STATE) New Braunfels, Texas		

FULL NAME OF SOLE OR JOINT INVENTOR CECILIA C. COMEAUX	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Redondo Beach, California		

FULL NAME OF SOLE OR JOINT INVENTOR SALVADOR A. LOZANO	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Downey, California		

FULL NAME OF SOLE OR JOINT INVENTOR WAYNE LADRACH	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Playa del Rey, California		

ASSIGNMENT
PD-206049
Page 2 of 4

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IN WITNESS WHEREOF, we have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR MICHAEL ANTHONY (TONY) ROSSELL	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Palm City, Florida		

FULL NAME OF SOLE OR JOINT INVENTOR PAUL CHRISTENSON	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Elizabeth, Colorado		

FULL NAME OF SOLE OR JOINT INVENTOR CECILIA C. COMEAUX	INVENTOR'S SIGNATURE <i>Cecilia Comeaux</i>	DATE 11/6/06
RESIDENCE (CITY AND STATE) Redondo Beach, California		

FULL NAME OF SOLE OR JOINT INVENTOR SALVADOR A. LOZANO	INVENTOR'S SIGNATURE <i>Sal A. Lozano</i>	DATE 11/2/06
RESIDENCE (CITY AND STATE) Downey, California		

FULL NAME OF SOLE OR JOINT INVENTOR WAYNE LADRACH	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Playa del Rey, California		

ASSIGNMENT
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Page 2 of 4

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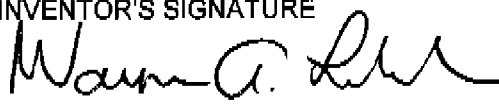
IN WITNESS WHEREOF, we have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR MICHAEL ANTHONY (TONY) ROSSELL	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Palm City, Florida		

FULL NAME OF SOLE OR JOINT INVENTOR PAUL CHRISTENSON	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Elizabeth, Colorado		

FULL NAME OF SOLE OR JOINT INVENTOR CECILIA C. COMEAUX	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Redondo Beach, California		

FULL NAME OF SOLE OR JOINT INVENTOR SALVADOR A. LOZANO	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Downey, California		

FULL NAME OF SOLE OR JOINT INVENTOR WAYNE LADRACH	INVENTOR'S SIGNATURE 	DATE 11/04/2006
RESIDENCE (CITY AND STATE) Playa del Rey, California		

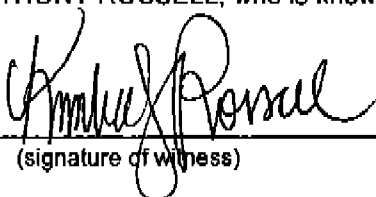
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STATEMENT BY WITNESS

I, Kimberly Russell, whose full post office address is
(name of witness)

5067 SW LANDING CREEK DRIVE Palm City, FL 34990
(address of witness)

was personally present and did see MICHAEL ANTHONY ROSSELL, who is known to me, execute the above assignment.


(signature of witness)

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see PAUL CHRISTENSON, who is known to me, execute the above assignment.

(signature of witness)

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see CECILIA C. COMEAUX, who is known to me, execute the above assignment.

(signature of witness)

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STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see MICHAEL ANTHONY ROSSELL, who is known to me, execute the above assignment.

(signature of witness)

STATEMENT BY WITNESS

I, STEVE HARRON, whose full post office address is
(name of witness)

2043 THREE Forks SAN Antonio, TX 78258
(address of witness)

was personally present and did see PAUL CHRISTENSON, who is known to me, execute the above assignment.


(signature of witness)

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see CECILIA C. COMEAUX, who is known to me, execute the above assignment.

(signature of witness)

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Page 3 of 4

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see MICHAEL ANTHONY ROSSELL, who is known to me, execute the above assignment.

(signature of witness)

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see PAUL CHRISTENSON, who is known to me, execute the above assignment.

(signature of witness)

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 CECILIA C. COMEAUX, who is known to me, execute the above assignment.


(signature of witness)

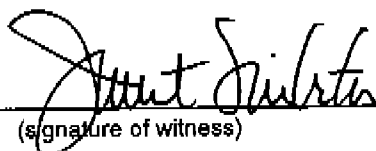
ASSIGNMENT
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STATEMENT BY WITNESS

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 SALVADOR A. LOZANO, who is known to me, execute the above
assignment.


(signature of witness)

STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see WAYNE LADRACH, who is known to me, execute the above
assignment.

(signature of witness)

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STATEMENT BY WITNESS

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

(address of witness)

was personally present and did see SALVADOR A. LOZANO, who is known to me, execute the above assignment.

(signature of witness)

STATEMENT BY WITNESS

I, MARIANNE TYLER LADRACH, whose full post office address is
(name of witness)

7830 W. 81st ST., PLATA DEL REY, CA 90293
(address of witness)

was personally present and did see WAYNE LADRACH, who is known to me, execute the above assignment.

Marianne Tyler Ladrach
(signature of witness)