

01-26-2004



FORM PTO-1595

102654318

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

PD-200289

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

1. Name of conveying party(ies):

Raynold M. Kahn
Gregory J. Gagnon
Christopher P. Curren
Thomas H. James

Additional name(s) of conveying party(ies) attached?

Yes ☐No ☒

2. Name and address of receiving party(ies):

Name: HUGHES ELECTRONICS CORPORATION

Internal Address: RE / R11 / A109
P.O. Box 956
2240 East Imperial Highway
El Segundo, CA 90245Street Address: 2240 East Imperial Highway
P.O. Box 956
El Segundo, California 90245Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: Aug. 21, 2003; Sept. 16, 2003

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: Aug. 21, 2003;
Sept. 16, 2003

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: HUGHES ELECTRONICS CORPORATION
Internal Address: RE / R11 / A109
P.O. Box 956
2240 East Imperial Highway
El Segundo, CA 90245PLEASE ASSOCIATE THIS APPLICATION WITH
CUSTOMER NO. 020991.

01/23/2004 DBYRME 00000253 500383 10758865

01 FC:8021

40.00 DA

DO NOT USE THIS SPACE

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)

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.

John A. Crook, Registration No. 30,830
Name of Person Signing

Signature

January 14, 2004
Date

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

OMB No. 0651-0027 (exp. 06/30/2005)

PATENT
REEL: 014904 FRAME: 0378

ASSIGNMENTPage 1 of 2
PD-200289

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **DISTRIBUTION OF VIDEO CONTENT USING CLIENT TO HOST PAIRING OF INTEGRATED RECEIVERS/DECODERS** 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. _____; and

WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Raynold M. Kahn	INVENTOR'S SIGNATURE <i>Raynold M. Kahn</i>	DATE 9-16-03
RESIDENCE (CITY AND STATE) Los Angeles, California		INVENTION AGREEMENT DATE October 2, 1979

FULL NAME OF SOLE OR JOINT INVENTOR Gregory J. Gagnon	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Torrance, California		INVENTION AGREEMENT DATE August 31, 1983

FULL NAME OF SOLE OR JOINT INVENTOR Christopher P. Curren	INVENTOR'S SIGNATURE <i>Christopher P. Curren</i>	DATE 9-16-03
RESIDENCE (CITY AND STATE) Brentwood, California		INVENTION AGREEMENT DATE September 7, 1999

FULL NAME OF SOLE OR JOINT INVENTOR Thomas H. James	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Pacific Palisades, California		INVENTION AGREEMENT DATE June 1, 1983

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF California)
COUNTY OF Los Angeles) SS:

On September 16, 2003 before me, Ruby Ann Ross-Gilliam _____,
a Notary Public in and for said State, personally appeared _____
Raynold M. Kahn and Christopher P. Curren _____,

☒ personally known to me or ~~it~~ 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.



Notary Public

Ruby Ann Ross-Gilliam

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **DISTRIBUTION OF VIDEO CONTENT USING CLIENT TO HOST PAIRING OF INTEGRATED RECEIVERS/DECODERS** 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. _____ ; and

WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, 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 **HUGHES**, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Raynold M. Kahn	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Los Angeles, California		INVENTION AGREEMENT DATE October 2, 1979

FULL NAME OF SOLE OR JOINT INVENTOR Gregory J. Gagnon	INVENTOR'S SIGNATURE <i>Gregory J. Gagnon</i>	DATE 8/21/2003
RESIDENCE (CITY AND STATE) Torrance, California		INVENTION AGREEMENT DATE August 31, 1983

FULL NAME OF SOLE OR JOINT INVENTOR Christopher P. Curren	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Brentwood, California		INVENTION AGREEMENT DATE September 7, 1999

FULL NAME OF SOLE OR JOINT INVENTOR Thomas H. James	INVENTOR'S SIGNATURE <i>Thomas H. James</i>	DATE 8/21/2003
RESIDENCE (CITY AND STATE) Pacific Palisades, California		INVENTION AGREEMENT DATE June 1, 1983

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF California)

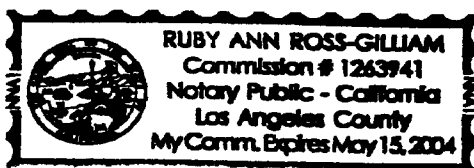
COUNTY OF Los Angeles)

SS:

On August 21, 2003 before me, Ruby Ann Ross-Gilliam _____,
a Notary Public in and for said State, personally appeared _____
Gregory J. Gagnon and Thomas H. James _____,

☒ personally known to me ~~or I 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.



Notary Public *Ruby Ann Ross-Gilliam*