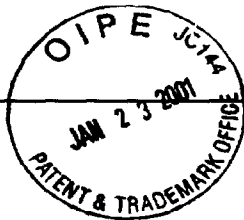


FORM PTO-1595  
1-31-92



RECO

02-05-2001



101604518

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

PD-990302

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

1. Name of conveying party(ies):

Arthur W. Wang

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

Yes ☐

no ☒

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

Name: HUGHES ELECTRONICS CORPORATION

Internal Address: Bldg. 001 M/S A109  
P.O. Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956

3. Nature of Conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: December 18, 2000

Street Address: 200 N. Sepulveda Blvd.  
P.O. Box 956  
El Segundo, California 90245

Additional name(s) & address(es) attached? ☐ yes ☒ no

4. Application number(s) or patent number(s): Attorney Docket No. PD-990302

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/702,218  
Filed October 30, 2000

B. Patent No.(s)

Additional numbers attached? ☐ yes ☒ no

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

Name: Patent Records Administration  
Internal Address: HUGHES ELECTRONICS CORPORATION  
Bldg. 001, M/S A109  
P.O. Box 956  
200 N. Sepulveda Boulevard  
El Segundo, California 90245-0956

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)

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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.

V. D. Duraiswamy  
Name of Person Signing

*Vijayalakshmi D. Duraiswamy*  
Signature  
Reg. No. 31,505

January 16, 2001  
Date

Total number of pages comprising cover sheet: [3]

OMB No. 0651-0011 (exp. 4/94)

02/02/2001 AMHED1 00000150 000383 09702210  
01 10:531 40.00 CH

PATENT  
REEL: 011478 FRAME: 0987

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) **SYSTEM AND METHOD FOR CONTINUOUS BROADCAST SERVICE FROM NON-GEOSTATIONARY ORBITS** or 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 October 30, 2000 as Serial No. 09/702,218; 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<br>Arthur W. Wang                 | INVENTOR'S SIGNATURE<br><i>Arthur W. Wang</i> | DATE<br>12/18/00                    |
| RESIDENCE (CITY AND STATE)<br>9002 Sarbonne Way, Buena Park, CA 90620 |   | INVENTION AGREEMENT DATE<br>9/30/96 |

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

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

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

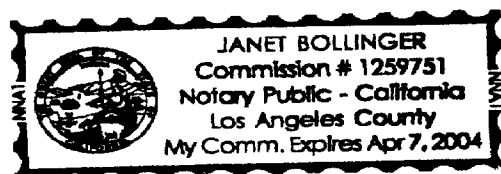
|                                     |                      |                          |
|-------------------------------------|----------------------|--------------------------|
| FULL NAME OF SOLE OR JOINT INVENTOR | INVENTOR'S SIGNATURE | DATE                     |
| RESIDENCE (CITY AND STATE)  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

STATE OF California )  
COUNTY OF Los Angeles ) SS:

On December 18, 2000 before me, Janet Bollinger  
a Notary Public in and for said State, personally appeared  
Arthur W. Wang

o personally known to me or ~~proved~~ 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 *Janet Bollinger*

RECORDED: 01/23/2001

PATENT  
REEL: 011478 FRAME: 0989