

10-08-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101164398

PD-980263

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

1. Name of conveying party(ies):

Donald C.D. Chang
Urban Vond der Embse
Kar Yung and
John I. Novak III

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 _____

Street Address: Bldg. 001, M.S. A109
200 N. Sepulveda Blvd.
El Segundo, California 90245Execution Date: Sept. 21, Sept. 22 and Sept. 24, 1999Additional name(s) & address(es) attached? ☐ yes ☒ no

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:
September 21, September 22 and September 24, 1999.

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: Patent Records Administration
Address: Hughes Electronics Corporation
Bldg. 001, M/S A109
P.O. Box 956
200 N. Sepulveda Blvd.
El Segundo, CA 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)

Customer No. 020991

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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.

TERJE GUDMESTAD

Registration No. 32,232

Signature

September 30, 1999

Date

Total number of pages including cover sheet: [4]

ASSIGNMENT

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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) **SIGNAL PROCESSING CIRCUIT FOR COMMUNICATING WITH A MODULAR MOBILE SATELLITE TERMINAL AND METHOD THEREFOR** 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 August 18, 1999 as Serial No. 09/376,941; 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 Donald C. D. Chang	INVENTOR'S SIGNATURE <i>Donald C. D. Chang</i>	DATE 9-21-99
RESIDENCE (CITY AND STATE) Thousand Oaks, California		INVENTION AGREEMENT DATE September 11, 1978

FULL NAME OF SOLE OR JOINT INVENTOR Urban A. Von der Embse	INVENTOR'S SIGNATURE <i>Urban A. von der Embse</i>	DATE 9-22-99
RESIDENCE (CITY AND STATE) Westchester, California		INVENTION AGREEMENT DATE June 21, 1960

FULL NAME OF SOLE OR JOINT INVENTOR Kar W. Yung	INVENTOR'S SIGNATURE <i>Kar W. Yung</i>	DATE 9-22-99
RESIDENCE (CITY AND STATE) Torrance, California		INVENTION AGREEMENT DATE December 3, 1979

FULL NAME OF SOLE OR JOINT INVENTOR John T. Novak III	INVENTOR'S SIGNATURE <i>John T. Novak III</i>	DATE 9-24-99
RESIDENCE (CITY AND STATE) West Hills, California		INVENTION AGREEMENT DATE January 13, 1969

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

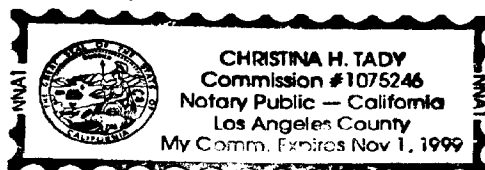
STATE OF California)
COUNTY OF Los Angeles)

SS:

On September 22, 1999 before me, Christina H. Tady,
a Notary Public in and for said State, personally appeared
Donald C.D. Chang,

☐ personally known to me or ☐ 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.

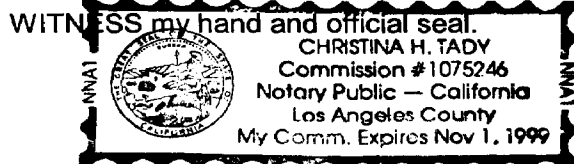


Notary Public *Christina H. Tady*

STATE OF California)
COUNTY OF Los Angeles) SS:

On September 22, 1999 before me, Christina H. Tady
a Notary Public in and for said State, personally appeared
Kar W. Yung and Urban Von der Embse

☐ personally known to me or ☒ 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.



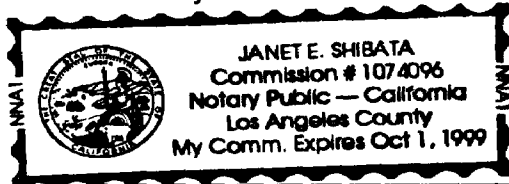
Notary Public Christina H. Tady

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:

On September 24, 1999 before me, JANET E. SHIBATA
a Notary Public in and for said State, personally appeared
JOHN I. NOVAK III

☒ personally known to me or ☐ 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 E. Shibata

STATE OF _____)
COUNTY OF _____) SS:

On _____ before me, _____
a Notary Public in and for said State, personally appeared _____

☐ personally known to me or ☐ 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 _____