

07-22-1998

09/115256

MRO 7-13-98



PD-970389

To the Honorable Commissioner of Patents and Trademarks 100769805

Original documents or copy thereof.

1. Name of conveying party(ies):

Feng-Wen SUN
Lin-Nan LEE
Khalid KARIMULLAH

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

Yes ☐

no X

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

Name: HUGHES ELECTRONICS CORPORATION

Internal Address Bldg. 001, M/S A109
P.O. Box 956
El Segundo, California 90245-0956

3. Nature of Conveyance:

X Assignment ☐ Merger
Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: July 9, 1998 and July 10, 1998

Street Address: 200 N. Sepulveda Blvd.
El Segundo, California 90245

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

4. Application number(s) or patent number(s):

09115256

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

July 9, 1998 and July 10, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ yes X no

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

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

Street Address: 200 N. Sepulveda Blvd.
El Segundo, California 90245

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): \$40.00

Enclosed

X Authorized to be charged to deposit account
(This Form is Being Filed In Triplicate)

8. Deposit account number:

50-0383

07/21/1998 DC0ATES 00000071 500383 09115256

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01 FC:581 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 T. Whelan

Name of Person Signing
Registration No. 32,448

Signature

July 13, 1998

Date

Total number of pages comprising cover sheet: [4]

PATENT

REEL: 9315 FRAME: 0616


ASSIGNMENTPage 1 of 3
PD-970359

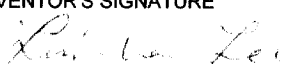
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) Method and Apparatus for Orthogonally Overlaying Variable Chip Rate Spread Spectrum Signals for which 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

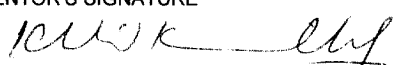
WHEREAS, HUGHES ELECTRONICS CORPORATION, a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted 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 ELECTRONICS CORPORATION, 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 ELECTRONICS CORPORATION, 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 ELECTRONICS CORPORATION, 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 ELECTRONICS CORPORATION, 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 ELECTRONICS CORPORATION, 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 ELECTRONICS CORPORATION, its successors, assigns or other legal representatives.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Feng-Wen Sun	INVENTOR'S SIGNATURE 	DATE 07-09-98
RESIDENCE (CITY AND STATE) Germantown, Maryland		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Lin-Nan Lee	INVENTOR'S SIGNATURE 	DATE 07/10/98
RESIDENCE (CITY AND STATE) Potomac, Maryland		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Khalid Karimullah	INVENTOR'S SIGNATURE 	DATE 7-9-98
RESIDENCE (CITY AND STATE) Olney, Maryland		INVENTION AGREEMENT DATE

STATE OF Maryland)
COUNTY OF Frederick) SS:
On July 9, 1998 before me, Feng-Wen Sun ^{ASH} Edwina Huzzy
a Notary Public in and for said State, personally appeared Feng-Wen Sun

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 Edwina Huzzy
EDWINA HUZZY
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires 08-11-01

STATE OF Maryland)
COUNTY OF Fredrick) SS:
On July 9, 1998 before me, Edwina Huzzy
a Notary Public in and for said State, personally appeared Khalid Kaimullah

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 Edwina Huzzy
EDWINA HUZZY
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires 8-11-01

STATE OF Maryland)
COUNTY OF Fredrick) SS:
On July 10, 1998 before me, Edwina Huzzy
a Notary Public in and for said State, personally appeared Lin-Nan Lee

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 Edwina Huzzy
EDWINA HUZZY
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires 08-11-01