

02-19-1999



ET

100967572

PD-980242

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

1. Name of conveying party(ies):

Chandra JOSHI
Anthony NOERPEL
Chi-Jiun SU

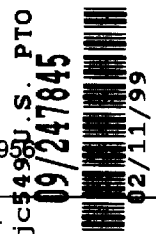
Additional Name(s) of conveying party(ies) attached?
yes no

MRD
2/11/99

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

Name: HUGHES ELECTRONICS CORPORATION

Internal Address: Bldg. 001, M/S A109
PO 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: February 11, 1999

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):

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

A. Patent Application No.(s)
09/247845

B. Patent No.(s)

Additional numbers attached? yes no

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

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El Segundo, CA 90245-0956

**PLEASE ASSOCIATE THIS APPLICATION WITH
CUSTOMER NO. 020991.**

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)

02/19/1999 DNGUYEN 00000053 500383 09247845
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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 T. Whelan
Name of Person Signing

[Signature]
Signature

2-11-99
Date

Total number of pages comprising cover sheet: [1]

ASSIGNMENT

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) A Method for Implementing a Terminal-to-Terminal Call With an Optimal Use of Radio Resources in a Mobile Satellite System 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.

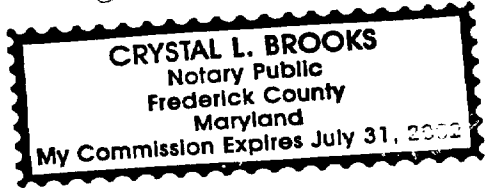
| | | |
|--|--|--------------------------|
| FULL NAME OF SOLE OR JOINT INVENTOR Chandra JOSHI | INVENTOR'S SIGNATURE <i>Chandra Joshi</i> | DATE 2/11/99 |
| RESIDENCE (CITY AND STATE) Gaithersburg, Maryland | | INVENTION AGREEMENT DATE |
| FULL NAME OF SOLE OR JOINT INVENTOR Anthony NOERPEL | INVENTOR'S SIGNATURE <i>Anthony Noerpel</i> | DATE 2/11/99 |
| RESIDENCE (CITY AND STATE) Lovettsville, Virginia | | INVENTION AGREEMENT DATE |
| FULL NAME OF SOLE OR JOINT INVENTOR Chi-Jiun SU | INVENTOR'S SIGNATURE <i>Chi-Jiun Su</i> | DATE 2/11/99 |
| RESIDENCE (CITY AND STATE) Derwood, Maryland | | INVENTION AGREEMENT DATE |

STATE OF Maryland)
COUNTY OF Frederick) SS:

On 2/11/99 before me, Crystal L. Brooks,
a Notary Public in and for said State, personally appeared Chandra Joshi,
 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 Crystal L. Brooks

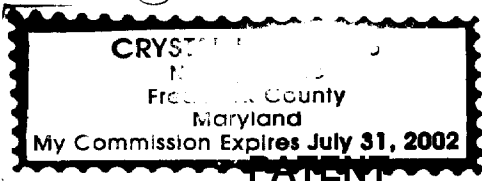


STATE OF Maryland)
COUNTY OF Frederick) SS:

On 2/11/99 before me, Crystal L. Brooks,
a Notary Public in and for said State, personally appeared Anthony Noerpel,
 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 Crystal L. Brooks



RECORDATION FORM COVER SHEET
PATENTS ONLY

PD-980242

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jc549 U.S. PAT. 09/247845
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John T. Whelan
Name of Person Signing


Signature

2-11-99
Date

Total number of pages comprising cover sheet: [1]