

08-31-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



2 SHEET

md 8-23-99

101132761

PD-980212

Customer No.: 020991

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

1. Name of conveying party(ies):

Kar W. Yung
David C. Cheng
Thu-Tam Trinh-Perches
Ken N. Gibson

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
El Segundo, California 90245-0956

3. Nature of Conveyance:

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

Execution Dates: August 4, August 6 & August 16, 1999.

Street Address: Bldg. 001, M.S. A109
200 North Sepulveda Blvd.
El Segundo, California 90245-0956

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

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

09,379167

If this document is being filed together with a new application, the execution date of the application is: August 4, 1999, August 6, 1999, and August 16, 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
Internal Address: HUGHES ELECTRONICS CORPORATION
Building 001, M/S A109
P.O. Box 956
El Segundo, California 90245-0956

Street Address: 200 North Sepulveda Boulevard
El Segundo, California 90245-0956

6. Total number of applications and patents involved:

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

☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0383

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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, Reg. No. 32,232

Signature

August 23, 1999

Date

08/30/1999 DNGUYEN 00000054 500383 09379167

01 EC:581 40.00 CH

Total number of pages comprising cover sheet: [3]

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

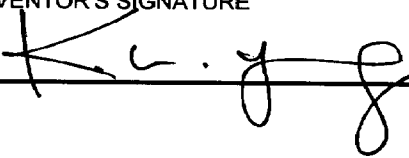
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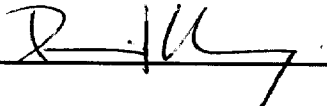
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **METHOD FOR RE-ROUTING SIGNALS IN A SWITCH NETWORK** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____ ; and

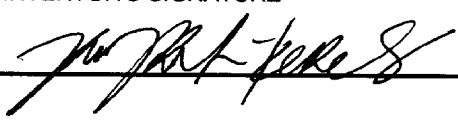
WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

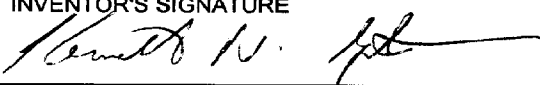
NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign 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 Kar W. Yung | INVENTOR'S SIGNATURE  | DATE 8/4/99 |
| RESIDENCE (CITY AND STATE) 4738 Narrot Street, Torrance, California 90503 | | INVENTION AGREEMENT DATE December 3, 1979 |

| | | |
|---|---|---|
| FULL NAME OF SOLE OR JOINT INVENTOR David C. Cheng | INVENTOR'S SIGNATURE  | DATE 8/6/99 |
| RESIDENCE (CITY AND STATE) 1228 Via Zumaya, Palos Verdes Estates, California 90275 | | INVENTION AGREEMENT DATE September 9, 1996 |

| | | |
|--|--|--|
| FULL NAME OF SOLE OR JOINT INVENTOR Thu-Tam Trinh-Perches | INVENTOR'S SIGNATURE  | DATE 8/16/99 |
| RESIDENCE (CITY AND STATE) 2416 33rd Street, Santa Monica, California 90405 | | INVENTION AGREEMENT DATE February 6, 1984 |

| | | |
|--|--|--|
| FULL NAME OF SOLE OR JOINT INVENTOR Kenneth N. Gibson | INVENTOR'S SIGNATURE  | DATE 8/4/99 |
| RESIDENCE (CITY AND STATE) 233 Calle de Madrid, Redondo Beach, California 90277 | | INVENTION AGREEMENT DATE March 30, 1992 |

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:

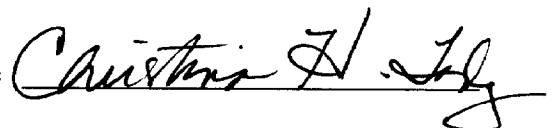
On AUGUST 4, 1999 before me, Christina H. Tady,
a Notary Public in and for said State, personally appeared
Kar W. Yung and Kenneth N. Gibson

☐ 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

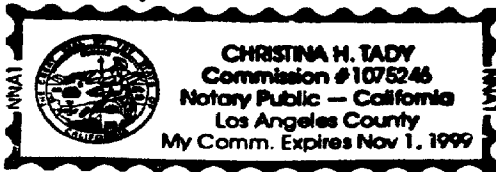


STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:

On August 6, 1999 before me, Christina H. Tady _____,
a Notary Public in and for said State, personally appeared
David C. Cheng _____,

☐ 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.



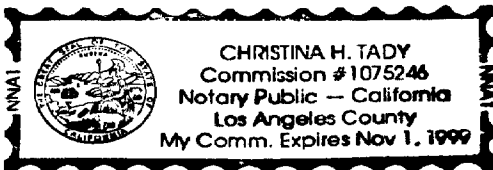
Notary Public Christina H. Tady

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:

On August 16, 1999 before me, Chrisitna H. Tady _____,
a Notary Public in and for said State, personally appeared
Thu-Tam Trinh-Perches _____,

☐ 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