

Customer No. 020991

FORM PTO-1595  
1-31-92

12/12/00

01-09-2001



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

EET

PD-200275

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

|   |  |
|---|--|
| <p>1. Name of conveying party(ies):</p> <p>DONALD C. D. CHANG, WAH LIM, MING CHANG</p> <p>Additional Name(s) of conveying party(ies) attached?</p> <p>yes <input type="checkbox"/> no <input checked="" type="checkbox"/></p>   | <p>2. Name and address of receiving party(ies):</p> <p>Name: HUGHES ELECTRONICS CORPORATION</p> <p>Internal Address: Bldg. 001, M/S A109<br/>PO Box 956<br/>200 N. Sepulveda Blvd.<br/>El Segundo, CA 90245-0956</p> <p>Street Address: 200 N. Sepulveda Blvd.<br/>P.O. Box 956<br/>El Segundo, California 90245</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> |
| <p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br/><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br/><input type="checkbox"/> Other</p> <p>Execution Date: <u>DECEMBER 8, 11</u>, 2000</p> |  |

jc925 U.S. PTO  
09/735860



12/12/00

4. Application number(s) or patent number(s): 9/735860

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

DECEMBER 12, 2000

|                              |                  |
|------------------------------|------------------|
| A. Patent Application No.(s) | B. Patent No.(s) |
|------------------------------|------------------|

Additional numbers attached?  yes  no

|   |  |
|---|--|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: HUGHES ELECTRONICS CORPORATION</p> <p>Internal Address: Bldg. 001, M/S A109<br/>PO Box 956<br/>200 N. Sepulveda Blvd.<br/>El Segundo, CA 90245-0956</p> <p><b>PLEASE ASSOCIATE THIS APPLICATION WITH<br/>CUSTOMER NO. 020991.</b></p> | <p>6. Total number of applications and patents involved: [ 1 ]</p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed<br/><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p><u>50-0383</u></p> <p>(Attached duplicate copy of this page if paying by deposit account)</p> |
|---|--|

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.*

|   |               |                                  |
|---|---------------|----------------------------------|
| <u>MICHAEL W. SALES</u><br>Name of Person Signing | <br>Signature | <u>December 12, 2000</u><br>Date |
|---|---------------|----------------------------------|

Total number of pages comprising cover sheet: [ 1 ]

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

PATENT  
REEL: 011396 FRAME: 0318

**ASSIGNMENT**Page 1 of 2  
PD-200275

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) **MULTIPLE LINK INTERNET PROTOCOL MOBILE COMMUNICATION SYSTEM AND METHOD THEREFOR** 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 \_\_\_\_\_, 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<br><b>DONALD C. D. CHANG</b>                                     | INVENTOR'S SIGNATURE<br><i>Donald Chang</i> | DATE<br>12/11/00                                      |
| RESIDENCE (CITY AND STATE)<br><b>2350 Moberly Court, Thousand Oaks, California 91360</b>             |   | INVENTION AGREEMENT DATE<br><b>September 11, 1978</b> |
| FULL NAME OF SOLE OR JOINT INVENTOR<br><b>WAH LIM</b>  | INVENTOR'S SIGNATURE<br><i>Wah Lim</i>      | DATE<br>12/11/2000                                    |
| RESIDENCE (CITY AND STATE)<br><b>11082 Hunting Horn Drive, Santa Ana, California 92705</b>           |   | INVENTION AGREEMENT DATE<br><b>February 24, 1997</b>  |
| FULL NAME OF SOLE OR JOINT INVENTOR<br><b>MING CHANG</b>   | INVENTOR'S SIGNATURE<br><i>Ming Chang</i>   | DATE<br>12/8/2000                                     |
| RESIDENCE (CITY AND STATE)<br><b>28815 Indian Valley Road, Rancho Palos Verdes, California 90275</b> |   | INVENTION AGREEMENT DATE<br><b>November 3, 1977</b>   |
| 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 8, 2000 before me, JANET E. SHIBATA,

a Notary Public in and for said State, personally appeared  
MING CHANG,

o 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.



*Janet E. Shibata*  
Notary Public

STATE OF CALIFORNIA )  
 )  
COUNTY OF LOS ANGELES ) SS:

On DECEMBER 11, 2000 before me, JANET E. SHIBATA,

a Notary Public in and for said State, personally appeared  
WAH LIM AND DONALD C.D. CHANG,

X personally known to me or o 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.



Janet E. Shibata  
Notary Public

STATE OF \_\_\_\_\_ )  
 )  
COUNTY OF \_\_\_\_\_ ) SS:

On \_\_\_\_\_ before me, \_\_\_\_\_,

a Notary Public in and for said State, personally appeared \_\_\_\_\_,

o personally known to me or o 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