

11-01-1999

Customer No. 020991

PD-980145



FORM PTO-1595  
1-31-92

101187268  
RECORDATION FORM COVER SHEET  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

MND 10/21/99

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

1. Name of conveying party(ies): **Walter R. DeMore, Richard A. Holloway, Bruce A. Holmes, Benjamin T. Johnson, Dale A. Londre, Lloyd Nakamura**  
  
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  
  
Street Address: Bldg. 001, M.S. A109  
200 N. Sepulveda Blvd.  
El Segundo, California 90245  
  
Additional name(s) & address(es) attached?  yes  no

JC678 U.S. PTO  
09/422581  
10/21/99

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: October 12, 1999 and October 18, 1999

4. Application number(s) or patent number(s): \_\_\_\_\_  
October 12, 1999 and  
If this document is being filed together with a new application, the execution date of the application is: October 18, 1999  
A. Patent Application No.(s): \_\_\_\_\_  
B. Patent No.(s): 09/422581  
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)

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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.*  
  
GEORGANN S. GRUNEBACH *Georgann S. Grunebach* October 21, 1999  
Registration No. 33,179 Signature Date  
  
Total number of pages including cover sheet: 4

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

10/29/1999 DNGUYEN 00000107 500383 09422581

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PATENT  
REEL: 010337 FRAME: 0086

**ASSIGNMENT**

Customer No. 020991

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) **Millimeter Wave Multilayer Assembly** 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.

Customer No. 020991

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR WALTER R. DEMORE	INVENTOR'S SIGNATURE <i>Walter R. Demore</i>	DATE 10/12/99
RESIDENCE (CITY AND STATE) 2926 HOPETON ROAD, LA CRESCENTA, CA 91214		INVENTION AGREEMENT DATE JULY 25, 1983

FULL NAME OF SOLE OR JOINT INVENTOR RICHARD A. HOLLOWAY	INVENTOR'S SIGNATURE <i>Richard A. Holloway</i>	DATE 10/12/99
RESIDENCE (CITY AND STATE) 513 E. PALM AVENUE, EL SEGUNDO, CA 90245		INVENTION AGREEMENT DATE MARCH 29, 1993

FULL NAME OF SOLE OR JOINT INVENTOR BRUCE A. HOLMES	INVENTOR'S SIGNATURE <i>Bruce A. Holmes</i>	DATE 10/12/99
RESIDENCE (CITY AND STATE) 211 YACHT CLUB WAY #145, REDONDO BEACH, CA 90277		INVENTION AGREEMENT DATE JANUARY 10, 1984

FULL NAME OF SOLE OR JOINT INVENTOR BENJAMIN T. JOHNSON	INVENTOR'S SIGNATURE <i>Benjamin T. Johnson</i>	DATE 10/12/99
RESIDENCE (CITY AND STATE) 124 TWELFTH STREET, #B, MANHATTAN BEACH, CA 90266		INVENTION AGREEMENT DATE FEBRUARY 26, 1996

FULL NAME OF SOLE OR JOINT INVENTOR DALE A. LONDRE	INVENTOR'S SIGNATURE <i>Dale A. Londre</i>	DATE 10/12/99
RESIDENCE (CITY AND STATE) 482 S. WESTRIDGE CIRCLE, ANAHEIM, CA 92807		INVENTION AGREEMENT DATE MAY 16, 1994

STATE OF California )  
COUNTY OF Los Angeles ) SS:

On October 12, 1999 before me, Donna M. Meehan,  
a Notary Public in and for said State, personally appeared  
Walter R. DeMore, Richard A. Holloway, Bruce A. Holmes, Benjamin T. Johnson and Dale A. Londre

~~XX~~ 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 Donna M. Meehan

