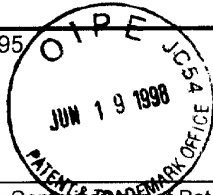


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PATENTS ONLY

J.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

PD-95182

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

MRO 6-19-98

1. Name of conveying party(ies):  RAYTHEON COMPANY  Additional Name(s) of conveying party(ies) attached?  yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	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
3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: _____	Street Address: 200 N. Sepulveda Blvd. P.O. Box 956 El Segundo, California 90245  Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no

4. Application number(s) or patent number(s): 95182

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

A. Patent Application No.(s) <b>SERIAL NO.: 09/023,450</b> <b>FILING DATE: February 13, 1998</b>	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  <b>PLEASE ASSOCIATE THIS APPLICATION WITH CUSTOMER NO. 020991.</b>	6. Total number of applications and patents involved: [ 1 ]  7. Total fee (37 CFR 3.41): \$40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> 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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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. Squires</u> Name of Person Signing	 Signature	<u>6/15/98</u> Date
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Total number of pages comprising cover sheet: [ 3 ]

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

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01 FC:581 40.00 CH

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Raytheon Company (Assignor), is now the sole and exclusive owner of all right, title and interest in and to the U. S. Serial No.: 09/023,450, Title: Electronically Scanned Semiconductor Antenna, Filing Date: February 13, 1998, PD-95182 ("the Patent Application") pursuant to an Assignment by the Inventor dated February 4, 1998; (as hereinafter defined); and

WHEREAS, Hughes Electronics Corporation (Assignee), was granted the right of ownership of the disclosure pursuant to certain Agreements dated as of December 17, 1997; and

WHEREAS, Assignee is desirous of acquiring all right, title and interest in and to "the Patent Application" due to its ownership of the disclosure;

NOW, THEREFORE, in consideration for the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor and Assignee agree as follows:

1. Assignor hereby sells assigns, transfers and conveys to Assignee, all right, title and interest in and to the patent Application including without limitation, the invention disclosures, any divisional, continuation and continuation-in-part applications that may be filed based on any such application; any patents issuing on any of the foregoing applications, and any reissues or certificates of reexamination of any of the foregoing patents, any any foreign counterparts of them; together with the right to sue for damages and other relief for past and current infringements.
2. Assignor further agrees to execute such additional documents as are necessary to continue, secure, defend, register and otherwise give full effect to and to perfect the rights of Assignee under this Assignment, including all documents necessary to register in the name of Assignee the assignment of each patent, patent application, and invention disclosure in the appropriate country or countries for the patent application.
3. Assignor hereby authorizes and requests that the Commissioner of Patents and Trademarks of the United States and each official holding a corresponding position of authority in any country in which Assignor has pending one or more patent applications to issue and to record the title of Assignee as owner of all right, title and interest in and to the patents, patent applications and invention disclosures for the patent application.

IN TESTIMONY WHEREOF, Assignor has signed below, by its duly authorization representative, on this 5<sup>TH</sup> day of June 1998.

RAYTHEON COMPANY (Assignor)

By: [Signature]  
Name:  
Title:

Sworn before me by Lesley Jayne Spires on this 5<sup>th</sup> day of June, 1998.

[Signature]  
Notary Public

My commission expires:

LESLEY JAYNE SPIRES  
Notary Public  
My Commission Expires Dec. 31, 2004  
Print, type or stamp Commissioned  
Name of Notary Public

- Personally known; or
- Produced identification
- Type of identification produced: \_\_\_\_\_

ACCEPTED:

HUGHES ELECTRONICS CORPORATION (Assignee)

By: [Signature]  
Name: Michael W. Sales  
Title: Vice President and Asst. Secretary

Sworn before me by Janet E. Shibata, Notary Public this 11th day of June, 1998.

[Signature]  
Notary Public

My commission expires:  
October 1, 1999

JANET E. SHIBATA  
Print, type or stamp Commissioned  
Name of Notary Public

- Personally known; or
- Produced identification
- Type of identification produced: \_\_\_\_\_

