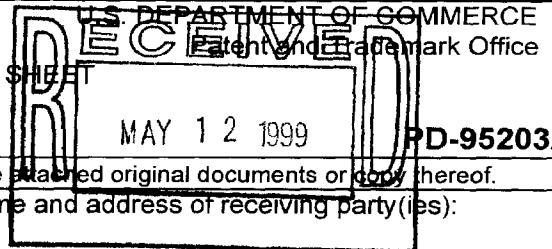


05-24-1999



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

1. Name of conveying party(ies):  
  
THE HOLDINGS Inc., HUGHES ELECTRONICS,  
formerly known as HUGHES AIRCRAFT COMPANY  
  
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

3. Nature of Conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: 5-6-99,

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): PD-95203A  
  
If this document is being filed together with a new application, the execution date of the application is:  
  
A. Patent Application No.(s)  
**SERIAL NO.: 08/991,683**  
**FILING DATE: DECEMBER 16, 1997**  
  
B. Patent No.(s)  
  
Additional numbers attached?  yes  no

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: HUGHES ELECTRONICS CORPORATION  
Internal Address: Bldg. 001, M/S A109  
PO Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956  
  
Street Address: PO Box 956  
200 N. Sepulveda Blvd.  
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)

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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.*  
  
\_\_\_\_\_  
Michael W. Sales  
Name of Person Signing  
  
\_\_\_\_\_  
Signature  
  
\_\_\_\_\_  
5/7/99  
Date

Total number of pages comprising cover sheet: [ 3 ]

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, HE Holdings, Inc. dba Hughes Electronics and formerly known as Hughes Aircraft Company ("Assignor"), is now the sole and exclusive owner of all right, title and interest in and to the U. S. Serial No.: 08/991,683, Title: FIBER-OPTIC TELEMETRY SYSTEM AND METHOD FOR LARGE ARRAYS OF SENSORS, Filing Date: December 16, 1997, PD-95203A ("the Patent Application") pursuant to an Assignment by the Inventor dated March 5, 1996 and March 11, 1996; (as hereinafter defined); and

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

WHEREAS, Assignee is desirous of acquiring and/or confirming its ownership of 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 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 6<sup>th</sup> day of May 1999.

HE Holdings, Inc. dba Hughes Electronics formerly known as Hughes Aircraft Company ("Assignor")

By: [Signature]  
Name: Michael W. Sales  
Attorney-in-Fact

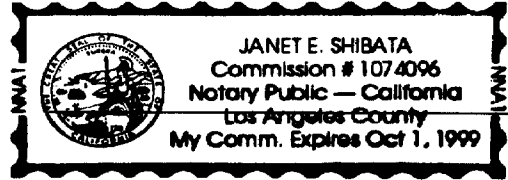
Sworn before me by MICHAEL W. SALES, Attorney-in-Fact this 6<sup>th</sup> day of May, 1999.

[Signature]  
Notary Public

My commission expires:  
October 1, 1999

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: Janet L. Williamson  
Secretary

Sworn before me by JANET L. WILLIAMSON, Secretary this 7<sup>th</sup> day of May, 1999.

[Signature]  
Notary Public

My commission expires:  
October 1, 1999

Print, type or stamp Commissioned Name of Notary Public

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

