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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Docket No: **PD-970599**

7-2-03

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

1. Name of conveying party(ies):
HUGHES ELECTRONICS CORPORATION
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: **The Boeing Company**
Internal Address: **100 North Riverside Plaza
Chicago, IL 60605-1596**
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: October 6, 2000

4. Application number(s) or patent number(s): PD-970599
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s) :
09/222,612
Additional numbers attached? Yes No

B. Patent No.(s):
6,229,189

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Terje Gudmestad**
Internal Address: **Boeing Management Company
15460 Laguna Canyon Road
Irvine, CA 92618**

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:
18-1730
(Attach 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.
Terje Gudmestad, Registration No. 32,232 6/30/03
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: **5**
Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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CONFIRMATION OF ASSIGNMENT OF PATENT AND TRADEMARK RIGHTS WITH AUTHORIZATION AND APPOINTMENT BY ASSIGNOR

WHEREAS, HUGHES ELECTRONICS CORPORATION, a corporation of the State of Delaware, United States of America ("Assignor"), having a principal place of business at 200 North Sepulveda, El Segundo, California 90245, is assigning or has assigned all of its rights, title and interests in the United States and throughout the world, in and to the invention disclosures, patent applications and patents listed on Schedule A (the "Patents"), to the Intellectual Property Agreement dated as of the date hereof between Hughes Electronics Corporation, Hughes Space and Communications Company and The Boeing Company (the "Intellectual Property Agreement") to THE BOEING COMPANY ("Assignee"); and

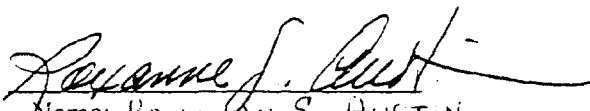
WHEREAS, Assignor is assigning or has assigned all of its rights, title and interests in the United States and throughout the world, in and to the trademarks listed on Schedule B and tradenames listed on Schedule C ("the Trademarks"), to the Intellectual Property Agreement to Assignee; and

WHEREAS, it was contemplated, at the time of assignment and stated in the Purchase Agreement, that the execution and delivery of papers would be necessary for Assignee, its successors, assigns or representatives to perfect, affirm, record and maintain the title to the Patents and the Trademarks in Assignee, its successors, assigns or other legal representatives; and

WHEREAS, Assignor had agreed to generally cooperate to the fullest extent in all matters pertaining to the Patents and the Trademarks, and to do all lawful acts, including the execution and delivery of all papers and proper oaths that are deemed necessary or desirable by Assignee, its successors, assigns or representatives for accomplishing the foregoing;

NOW THEREFORE, Assignor hereby confirms the foregoing assignment and authorizes and appoints Assignee and grants Assignee full power of attorney to execute all necessary papers and oaths on Assignor's behalf and in Assignor's name that are necessary for Assignee, its successors, assigns or representatives to perfect, affirm, record and maintain the title in Assignee, its successors, assigns or other legal representatives to any and all of the Patents and the Trademarks in the United States and throughout the world.

ASSIGNOR:

BY: 
Name: ROXANNE S. AUSTIN
Title: Sr VP & CFO

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

ON September 5, 2000 before me, ELAINE M. MCGEE, a Notary Public in
and for said State, personally appeared Brent Reed

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~~I personally know 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 Elaine M. McGee

AGREED TO AND ACCEPTED BY:

ASSIGNEE:

BY: Brent Reed
Name:
Title:



Confirmation of Assignment of Patent and Trademark Rights

SCHEDULE A
PATENT APPLICATIONS

PD NO.	SERIAL NO.	FILING DATE	TITLE
970466	09274463	03/22/99	BATTERY FABRICATION METHOD
970473	09136635	08/19/98	CO-PROCESSING OF ADHESIVE CURING AND SOLDER REFLOW IN AN ELECTRONIC ASSEMBLY OPERATION
970483	09310472	05/12/99	METHOD AND APPARATUS FOR ESTIMATING AN ERROR RATE IN A DIGITAL COMMUNICATION SYSTEM
970488	09225950	01/05/99	A SYSTEM AND METHOD FOR AT-SPEED INTERCONNECT TESTS
970511	09212454	12/16/98	AUTONOMOUS GYRO SCALE FACTOR AND MISALIGNMENT CALIBRATION
970512	09309034	05/10/99	SYSTEM AND METHOD FOR CORRECTING STAR TRACKER LOW SPATIAL FREQUENCY ERRORS IN STELLAR-INERTIAL ATTITUDE DETERMINATION SYSTEMS
970513	09368202	08/04/99	SYSTEM AND METHOD FOR ENHANCED SOLAR ARRAY POINTING IN SUN-NADIR STEERING
970514	09237100	01/25/99	ELECTRONIC SUPPORT STRUCTURES MADE OF A COMPOSITE MATERIAL OF MONOFILAMENT METAL-COATED FIBERS IN A MATRIX
970520	09533018	03/22/00	IMPROVED METHOD AND APPARATUS FOR IMPLEMENTATION OF A ZERO FORCING EQUALIZER
970529	09532624	03/22/00	LOW-VOLTAGE-DROP BYPASS OF FAILED BATTERY CELL
970531	09160927	09/25/98	METHOD OF SIMULTANEOUS REDUCING INCLINATION AND ECCENTRICITY FOR GEOSTATIONARY ORBIT TRANSFER
970555	09196541	11/20/98	RESONANT TUNNELING DIODE WITH ADJUSTED EFFECTIVE MASSES
970556	09251776	02/17/99	CLADDING PUMPED FIBER LASER WITH REDUCED OVERLAP BETWEEN A LASER MODE AND AN ION-DOPED REGION
970570	09430851	11/01/99	APPLICATION SPECIFIC OPTOELECTRONIC INTEGRATED CIRCUIT
970575	09039883	03/16/98	SUBTERRANEAN TARGET STEERING STRATEGY
970579	60183535	02/18/00	METHOD FOR REDUCTION OF POWER CONSUMPTION IN A DIGITAL SIGNAL PROCESSING (DSP) SPACECRAFT PAYLOAD BY MEANS OF REDUCED OPERATING VOLTAGES
970580	09158675	09/22/98	ATTITUDE DETERMINATION SYSTEM AND METHOD
970584	09033562	03/02/98	SLEW RATE AND DIRECTION DETERMINATION FOR ACQUISITION MANEUVERS USING REACTION WHEELS
970599	09222162	12/24/98	MULTI-FUNCTION OPTOELECTRONIC DEVICE STRUCTURE
970608	09436662	11/10/99	THIN FILM DEVICES AND METHOD FOR FABRICATING THIN FILM DEVICES
970632	09456359	12/07/99	SAMPLE AND HOLD CIRCUIT
970638	09287721	04/07/99	DUAL SPIN ZERO MOMENTUM SATELLITE SYSTEM
970641	09100303	06/19/98	LASER CROSSLINK SATELLITE ATTITUDE DETERMINATION SYSTEM AND METHOD
970681	09311673	05/13/99	METHOD OF FABRICATING A SURFACE COUPLED INGAAS PHOTODETECTOR
970683	09266238	03/11/99	TEMPERATURE AND OPTICAL LENGTH CONTROL OF OPTICAL FIBERS AND OPTICAL WAVEGUIDE DEVICES
980008	09239632	01/29/99	BALANCED VIBRATORY GYROSCOPE AND AMPLITUDE CONTROL FOR SAME
980009	09196864	11/20/98	ANTENNA CONFIGURATION FOR LOW AND MEDIUM EARTH ORBIT SATELLITES
980009A	09590325	06/08/00	ANTENNA CONFIGURATION FOR LOW AND MEDIUM EARTH ORBIT SATELLITES
980017	09233386	01/19/99	CLOSED MICROWAVE DEVICE WITH EXTERNALLY MOUNTED THERMAL EXPANSION COMPENSATION ELEMENT
980026	09301965	04/29/99	SIMPLIFIED YAW STEERING METHOD FOR SATELLITE ANTENNA BEAM CONTROL
980041	09193947	11/18/98	RECONFIGURABLE ANALOG CHANNEL PROCESSOR FOR MULTIBEAM SATELLITES
980051	09470701	12/23/99	COMBINED ROLL-YAW SPACECRAFT STEERING METHOD FOR LOW EARTH ORBIT TARGET TRAJECTORY COMPENSATION
980053	09550785	04/17/00	LOW SIDELobe ANTENNA WITH BEAMS STERRABLE IN ONE DIRECTION
980055	09057938	04/09/98	FREE RETURN LUNAR FLYBY TRANSFER METHOD FOR GEOSTATIONARY SATELLITES
980055A	09079899	05/15/98	FREE RETURN LUNAR FLYBY TRANSFER METHOD FOR GEOSTATIONARY SATELLITES
980062	09250853	02/17/99	MICROWAVE POWER DIVIDER/COMBINER HAVING COMPACT STRUCTURE AND FLAT COUPLING
980063	09076031	05/11/98	ROCKET ENGINE WITH INTEGRAL COMBUSTION CHAMBER STEP STRUCTURE, AND ITS FABRICATION
980065	09076033	05/11/98	ROCKET ENGINE WITH COMBUSTION CHAMBER STEP STRUCTURE INSERT, AND ITS FABRICATION