

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Victor Vali</td> <td>08/20/1991</td> </tr> <tr> <td>David B. Chang</td> <td>08/20/1991</td> </tr> <tr> <td>I-Fu Shih</td> <td>08/20/1991</td> </tr> <tr> <td>Albert F. Lawrence</td> <td>08/15/1991</td> </tr> </tbody> </table>	Name	Execution Date	Victor Vali	08/20/1991	David B. Chang	08/20/1991	I-Fu Shih	08/20/1991	Albert F. Lawrence	08/15/1991	
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Victor Vali	08/20/1991										
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RECEIVING PARTY DATA											
Name:	Hughes Aircraft Company										
Street Address:	7200 Hughes Terrace										
City:	Los Angeles										
State/Country:	CALIFORNIA										
Postal Code:	90045										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Patent Number:	5291032										
CORRESPONDENCE DATA											
Fax Number:	(781)522-6465										
Phone:	781-522-3051										
Email:	kate_e_emerson@raytheon.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Kate Emerson c/o Raytheon Company										
Address Line 1:	870 Winter Street										
Address Line 4:	Waltham, MASSACHUSETTS 02451										
ATTORNEY DOCKET NUMBER:	090576-US-CNT										
NAME OF SUBMITTER:	Donald F. Mofford										
Total Attachments: 3 source=090576-US-CNT Assignment#page1.tif source=090576-US-CNT Assignment#page2.tif source=090576-US-CNT Assignment#page3.tif											

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ASSIGNMENT

HUGHES

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PD- 90576

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) FIBER OPTIC EVANESCENT WAVE FUEL GAUGE AND LEAK DETECTOR

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 AIRCRAFT COMPANY (hereinafter referred to as HUGHES), a Delaware Corporation, having its principal place of business in Los Angeles, 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 HUGHES, 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

RECEIVED MAR 12 1958

PATENT

REEL: 027397 FRAME: 0266

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Victor Vali	INVENTOR'S SIGNATURE <i>Victor Vali</i>	DATE 8/20/91
RESIDENCE (CITY AND STATE) 26035 Moulton Parkway Laguna Hills, California 92653		INVENTION AGREEMENT DATE Consultant

FULL NAME OF JOINT INVENTOR David B. Chang	INVENTOR'S SIGNATURE <i>David B. Chang</i>	DATE 8/10/91
RESIDENCE (CITY AND STATE) 14212 Livingston Tustin, California 92680		INVENTION AGREEMENT DATE January 17, 1983

FULL NAME OF JOINT INVENTOR I-Fu Shih	INVENTOR'S SIGNATURE <i>I-Fu Shih</i>	DATE 8/20/91
RESIDENCE (CITY AND STATE) 3351 St. Albans Drive Los Alamitos, California 90720		INVENTION AGREEMENT DATE March 17, 1980

FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

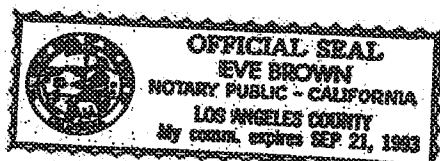
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS:

On August 20, 1991, before me, the undersigned,
a Notary Public in and for said State, personally appeared VICTOR VALI, DAVID B. CHANG,
and I-FU SHIH --

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 that he (they) executed the same.

WITNESS my hand and official seal.



Notary Public

Eve Brown

IN WITNESS WHEREOF, I have executed this instrument.

AUG 21 91

FULL NAME OF SOLE OR JOINT INVENTOR Albert F. Lawrence	INVENTOR'S SIGNATURE <i>Albert F. Lawrence</i>	DATE <i>Aug 15 1991</i>
RESIDENCE (CITY AND STATE) 4141 Carmel Valley Road San Diego, California 92130		INVENTION AGREEMENT DATE March 23, 1981
FULL NAME OF JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
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RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF CALIFORNIA
COUNTY OF SAN DIEGO

SS:

On AUGUST 15 1991, before me, the undersigned
a Notary Public in and for said State, personally appeared

Albert F. Lawrence

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 that he (she) executed the same.

WITNESS my hand and official seal.



Notary Public Mark David Loigman

REEL 5840