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To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

<p>1. Name of conveying parties: <u>2.13.01</u> Shen Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>		<p>2. Name and address of receiving party: Name: <u>THE B. F. GOODRICH COMPANY.</u> Internal Address: A New York Corporation 4 Coliseum Centre 2430 West Tyvola Road Charlotte, North Carolina 28217 Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>	
<p>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: December 27, 2000</p>			
<p>4. Application number(s) or patent number(s): Title: DUAL STAGE DEFORMABLE MIRROR A. Patent Application No(s). <u>09/478,159</u> B. Patent No(s). <u>Unknown</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed: <u>James M. Rashid</u> <u>The B. F. Goodrich Company</u> <u>9921 Brecksville Road</u> <u>Brecksville, Ohio 44141</u> <u>(216) 447-7585</u></p>		<p>6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees 8. Deposit account number: <u>07-1625</u> (Attach duplicate copy of this page if paying by deposit account)</p>	
<p>"EXPRESS MAIL" Mailing No. <u>EL 08501300275</u> I hereby certify that this paper or fee is being deposited with the US Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on this date indicated below on this, the <u>12</u> day of February 2001. <u>2-12-01</u> Date <u>James M. Rashid</u> <u>AMBERA SUSER</u> (Name of Person Mailing paper)</p>			
<p>DO NOT USE THIS SPACE</p>			
<p>9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and attached hereto is the original document. <u>James M. Rashid</u> Name of Person Signing Reg. No.: <u>31,290</u> Tel. No.: <u>(216) 447-7585</u> <u>[Signature]</u> Signature <u>2/8/01</u> Date Total number of pages comprising transmittal: <u>1</u></p>			

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ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

WHEREAS, Raytheon Company, a corporation organized and existing under the laws of the State of Delaware ("Seller"), having a place of business at 141 Spring Street, Lexington, MA 02421, is the owner of the patents and the patent applications identified on Exhibit A attached hereto and the inventions disclosed and claimed therein; and

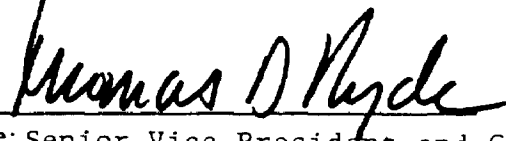
WHEREAS, The B.F. Goodrich Company, a New York corporation organized and existing under the laws of the state of New York ("Buyer"), having a place of business at Four Coliseum Centre, 2430 W. Tyvola Road, Charlotte, NC 28217, is desirous of acquiring said patents, patent applications and the inventions disclosed and claimed therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said Seller does hereby assign, sell and transfer unto said Buyer all right, title and interest in and to the said patents and patent applications identified on Exhibit A and the inventions disclosed and claimed therein, and any continuations, continuations-in-part, divisionals, reissues and re-examinations thereof, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringements of said patents, patent applications (and any patent(s) issuing with respect thereto) or inventions. Notwithstanding anything herein to the contrary, this assignment is and shall remain subject to the rights and licenses retained by or granted to Seller and affiliates of Seller pursuant to the Intellectual Property Agreement between Seller and Buyer of even date herewith.

IN WITNESS WHEREOF, Seller by its duly authorized officer, has executed this assignment, as an instrument under seal as of this 27th day of December, 2000.

RAYTHEON COMPANY

By:



Title: Senior Vice President and General Counsel

STATE OF MASSACHUSETTS

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COUNTY OF MIDDLESEX

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On this the 20th day of December 2000, before me appeared Thomas D. Hyde, the person who signed this instrument, who acknowledged that he is a * of Raytheon Company and that he signed such instrument as a free act on behalf of Raytheon Company. *Senior Vice President and General Counsel



Notary Public Katherine J. Hancock

My commission expires: 12-8-06

			Docket Date	Filing Date	Issue Date
PD NO.	Title	Country	Rating	Serial No.	Patent No.
970376	SCINTILLATION-IMMUNE ADAPTIVE OPTICS RECONSTRUCTOR	UNITED STATES	07/24/1997 F	06/15/1999 09333783	
970464	ACTIVE FILTER DEVICE FOR RADIATION DETECTOR APPARATUS	UNITED STATES	09/09/1997	09/07/1999 09390823	
970526	SPACECRAFT INERTIAL ATTITUDE AND RATE SENSOR CONTROL SYSTEM	UNITED STATES	10/03/1997	10/13/1998 09170986	
970557	PANORAMIC SENSOR HEAD	UNITED STATES	10/17/1997	08/21/1998 09138436	09/05/2000 6,115,193
→ 99W088	DUAL STAGE DEFORMABLE MIRROR	UNITED STATES	05/17/1999	01/05/2000 09478159	
99W113	FABRICATION OF A BRAZELESS CROSS-BLADE FLEXURE BLOCK	UNITED STATES	05/27/1999	08/09/2000 09636395	
D90019	MEMORY REGISTRATION SYSTEM	UNITED STATES	05/02/1990	11/03/1978 05957767	07/10/1984 4,459,021
D90021A	ANALYZER FOR COHERENT RADIATION	UNITED STATES		01/31/1979 06008017	08/20/1985 4,536,089
D90027	SAMPLE-AND-HOLD HYBRID ACTIVE RC FILTER	UNITED STATES	05/02/1990	09/18/1980 06188429	07/12/1983 4,393,352
D90030	FRAUNHOFER LINE DISCRIMINATOR	UNITED STATES		01/25/1982 06342613	02/21/1984 4,433,245
D90031	APPARATUS FOR DETECTING COHERENT RADIATION AND UNEQUAL PATH INTERFEROMETERS	UNITED STATES		07/29/1983 06518727	06/17/1986 4,595,292
D90032	ACTUATOR	UNITED STATES		10/27/1983 06545985	05/07/1985 4,516,062
D90034A	OPTICAL CHOPPER WITH HIGH RATE OF FOCUS DITHER	UNITED STATES		07/13/1984 06630459	02/03/1987 4,640,580