

PTAS FAX NO. (703) 306-5995

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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**Resubmission (Non-Recordation)**  
Document ID#

**Correction of PTO Error**  
Reel #  Frame #

**Corrective Document**  
Reel #  Frame #

**Conveyance Type**

**Assignment**  **Security Agreement**

**License**  **Change of Name**

**Merger**  **Other**

**U.S. Government**  
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**Departmental File**  **Secret File**

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Name (line 1) **THE PERKIN-ELMER CORPORATION**

Execution Date  
Month Day Year  
**01032001**

Name (line 2) **a corporation of New York**

**Second Party**

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) **Hughes Danbury Optical Systems, Inc.**

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) **a corporation of Delaware**

Address (line 1) **Intellectual Property**

Address (line 2) **100 Wooster Heights Road**

Address (line 3) **Danbury** **CT** **06810**  
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20261 Fax 8055624120

700003544

RAYTHEON FAX NO. (805) 562-4120

**PATENT**  
REEL: 11219 FRAME: 0487

FORM PTO-1619B  
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OMB 0851-0027

Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Correspondent Name and Address**

Area Code and Telephone Number **8055622108**

Name **Raytheon Company**

Address (line 1) **Patent Docket Administration**

Address (line 2) **Bldg. EO/ E1 M/S E150**

Address (line 3) **P. O. Box 902**

Address (line 4) **El Segundo, California 90245-0902**

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments. # **1**

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**


**Patent Number(s)**

<b>4492669</b>	<b>5020901</b>	<b>4512107</b>
<b>4620790</b>	<b>4550973</b>	<b>4594002</b>
<b>4593187</b>	<b>4857721</b>	<b>4806747</b>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT		PCT		PCT	
PCT		PCT		PCT	

**Number of Properties**

Enter the total number of properties involved. # **16**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ **640**

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Enclosed  Deposit Account

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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. Charges to deposit account are authorized, as indicated herein.

**William C. Schubert, Reg. 30,102**

**01092001**

Name of Person Signing

Signature

Date

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# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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**PATENT**

## Conveying Party(ies)

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Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

## Receiving Party(ies)

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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)  City  State/Country  Zip Code

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Name (line 2)

Address (line 1)

Address (line 2)

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## Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

### Patent Application Number(s)

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### Patent Number(s)

4600307	4624538	<input type="text"/>
4668083	4895436	<input type="text"/>
4810621	<input type="text"/>	<input type="text"/>
4897325	<input type="text"/>	<input type="text"/>
4650321	<input type="text"/>	<input type="text"/>

ASSIGNMENT OF PATENT	Docket Number (optional):
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Whereas, The Perkin-Elmer Corporation of 761 Main Avenue, Norwalk, Connecticut 06859-0019 (now named **PE** Corporation, NY), hereinafter referred to as Assignor, did obtain United States Patents for:

Title	U.S. Patent No.	Issue Date
<i>Method and Means for Making a Beryllium Mirror</i>	4492669	01/08/1985
<i>System for Determining Optical Aberrations of a Telescope Optical System</i>	4620790	11/04/1986
<i>Non-Imaging Illumination Incidence Angle Detection System</i>	4593187	06/03/1986
<i>Multimode Laser Diode System for Range Measurement</i>	5020901	06/04/1991
<i>Achromatic Holographic Optical System</i>	4550973	11/05/1985
<i>Optical Direction Sensor Having Gray Code Mask Spaced from a Plurality of Interdigitated Detectors</i>	4857721	08/15/1989
<i>Automated Polisher for Cylinder Surfaces</i>	4512107	04/23/1985
<i>Apparatus for Analyzing Coherent Radiation</i>	4594002	06/10/1986
<i>Optical Direction of Arrival Sensor with Cylindrical Lens</i>	4806747	02/21/1988
<i>Coherent Radiation Detecting Apparatus</i>	4600307	07/15/1986
<i>Contact Lithographic Fabrication of Patterns on Large Optics</i>	4668083	05/26/1987
<i>Contact Lithographic Fabrication of Patterns on Large Optics</i>	4810621	03/07/1989
<i>Contact Lithographic Fabrication of Patterns on Large Optics</i>	4897325	01/30/1990
<i>Spatial/Spectral Real Time Imaging</i>	4650321	03/17/1987
<i>COMA-Compensation Telescope</i>	4624538	11/25/1986
<i>Mirror Assembly</i>	4895436	01/23/1990


and whereas, Assignor is now the sole owner of said Patents, and,

Whereas, Hughes Danbury Optical Systems, Inc., a U.S. corporation, hereinafter referred to as "Assignee" whose post office address is 100 Wooster Heights Road, Danbury, Connecticut 06810-5616 is desirous of acquiring the entire right, title and interest in said Patents:

Now, therefore, in consideration of the sum of One Dollar (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, Assignor, by these presents does sell, assign and transfer unto said Assignee the entire right, title and interest in and to the said Patents aforesaid; including the right to sue and collect damages for past infringement thereof; the same to be held and enjoyed by the said Assignee for his/her own use and behoove, and for its legal representatives and assigns, to the full end of the term for which said Patents are granted, as fully and entirely as the same would have been held by had this Assignment and sale not been made.

Executed this 3rd day of January, 2000 at 761 Main Avenue, Norwalk, Connecticut 06859-0119.


The Perkin Elmer Corporation  
(now named PE Corporation (NY))

X By   
(signature) THOMAS P. LIVINGSTON, SECRETARY

State of Connecticut )  
County of Fairfield )

SS: Wilton.

Before me personally appeared Thomas P. Livingston and acknowledged the foregoing instrument to be his/her free act and deed of The Perkin-Elmer Corporation this 3rd day of January, 2000.  
(seal)

  
Notary Public

PTO/SB/41 (8-96) Approved for use through 9/30/98. OMB 0651-0027 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington DC 20231. PFC-NY;RTN-WCS:12/18/00

RECORDED: 01/09/2001

**PATENT**  
**JANE B. LAMBERT**  
NOTARY PUBLIC  
MY COMMISSION EXPIRES 12/31/2002  
FRAME: 0490