

06-29-2001

FORM PTO 1595
1-31-92

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ed original documents or copy thereof.
ss of receiving Party(ies):

To the Honorable Commissioner of

1. Name and Address of Conveying Party(ies)

101764964

Clay E. Towery, 3301 Westclarke Drive
Plano, Collin County, Texas 75093

06/18/01

Name: Raytheon Company

Internal Address:

Street Address: 141 Spring Street

City: Lexington

State: Massachusetts Zip: 02421

Corporation/State Delaware

Individual Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

Yes No

Additional name(s) & Address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Date: June 13, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: June 13, 2001

A. Patent Application No.(s):

09/884500

B. Patent No.(s):

Additional Numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed to:

Name: T. Murray Smith, Esq.
 Internal Address: Baker Botts L.L.P.
 Street Address: 2001 Ross Avenue, Suite 600
 City: Dallas
 State: Texas Zip 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit Account Number:

(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.

T. Murray Smith, Reg. No. 30,222
Name of Person Signing

Signature

June 18, 2001
Date

Total number of pages including cover sheet

3

OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors) of residence as listed, have invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, a Declaration for said application having been executed on the date set forth below; and

WHEREAS, Raytheon Company (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 141 Spring Street, Lexington, Massachusetts 02421, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

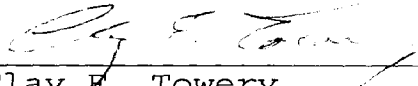
I also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: METHOD AND APPARATUS FOR INTEGRATING
 OPTICAL FIBERS WITH COLLIMATING LENSES

Signature of Inventor:
Inventor's Name:



Clay E. Towery

Residence (City, County, State)

3301 Westclarke Drive
Plano, Collin County,
Texas 75093

Date:

 JUNE 13, 2001

Date Declaration Executed:

 JUNE 13, 2001