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

1. Name of conveying party(ies):

JING-JONG PAN

Additional name(s) of conveying parties attached?

☐ Yes  ☒ No

3. Nature of conveyance:

☒ Assignment  ☐ Merger

☐ Security Agreement  ☐ Change of Name

☐ Other:

Execution Date: NOVEMBER 23, 1999

4. Application Number(s) or Patent Numbers

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

A. Patent Application No(s):

09/351,641

B. Patent No(s):

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

Name: MARK D. BARRISH
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3634
(415) 578-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): $40.00

☒ Enclosed  ☐ Charge Fees to Deposit Account

☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430


To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true or copy of the original document

MARK D. BARRISH
Name of Person Signing
REG. NO 36.433

10. Change Correspondence Address to that of Part 5? ☐ Yes  ☒ No

Total number of pages including cover sheet, attachments and document 2

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

Mail documents to be recorded with require cover to:

Asst. Commissioner for Patents
Box: Assignments
Washington, D.C. 20231

12/30/1999 04:00 PM 1885 LUNDY AVENUE 1885 LUNDY AVENUE

12/30/1999 04:00 PM 1885 LUNDY AVENUE 1885 LUNDY AVENUE

PATENT
REEL: 010422 FRAME: 0026
ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, JING-JONG PAN, of 987 Westridge Drive, Milpitas, CA, 95035, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TUNABLE FIBER OPTIC FILTER

Date(s) of execution of Declaration: Nov. 23, 1999

Filing Date: July 13, 1999

Application No.: 09/351,641 and

WHEREAS, E-TEK DYNAMICS, INC., a Corporation of California, residing at 1885 Lundy Avenue, San Jose, CA, 95131, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same:

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated

Dated: Nov 23, 1999

[Signature]

JING-JONG PAN

PA 3019539 v1

RECORDED: 12/06/1999

PATENT
REEL: 010422 FRAME: 0027