

MPD 8-3-98

08-17-1998

U.S. Patent and Trademark Office Docket No. 13011-007100

FORM PTO-1595 (Rev. 6-93)

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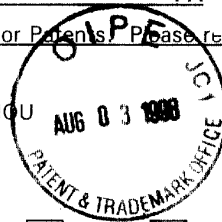
DEPARTMENT OF COMMERCE Patent and Trademark Office

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

1. Name of conveying party(ies):

JING-JONG PAN and FENG QUE ZHOU



2. Name and address of receiving party(ies):

Name: E-TEK DYNAMICS, INC.

Internal Address:

Street Address: 1885 Lundy Avenue

City: San Jose State: California ZIP: 95131

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 18, 1998

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:

A. Patent Application No.(s) 09/081,261

B. Patent No.(s)

Additional numbers attached? Yes No

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 94111-3834
(650) 326-2400

6. Total number of applications and patents involved:

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

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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.

Mark D. Barrish
Name of Person Signing

Signature

July 30, 1998
Date

Atty. Reg. No. 36,443 Total number of pages including cover sheet, attachments, and document:

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

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

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Mail documents to be recorded with required cover sheet information to:
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PATENT

REEL: 9378 FRAME: 0060

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **JING-JONG PAN** of **978 Westridge Drive, Milpitas, California 95035**, and **FENG QUE ZHOU** of **1244 Quincy Drive, San Jose, California 95132**, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: **LOW COST FIBER OPTIC CIRCULATOR**

Date(s) of execution of Declaration: **June 18, 1998**

Filing date: **May 19, 1998** Application No.: **09/081,261**; and

WHEREAS, **E-TEK DYNAMICS, INC.**, a **California** corporation, located at **1885 Lundy Avenue, San Jose, California 95131**, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do 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 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 Assignors 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.

Assignors further agree that they 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 patent 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.

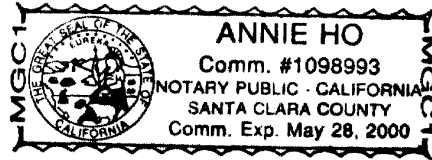
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: June 18, 1998 Jing-Jong Pan
STATE OF California JING-JONG PAN
COUNTY OF Santa Clara

On June 18th, 1998, before me, Annie Ho, Notary Public (here insert name and title of the officer), personally appeared **JING-JONG PAN**, personally 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 to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Annie Ho (Seal)

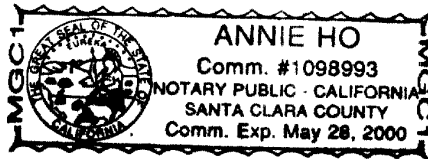


Date: 6/18/98 Feng Que Zhou
STATE OF California FENG QUE ZHOU
COUNTY OF Santa Clara

On June 18th, 1998, before me, Annie Ho, Notary Public (here insert name and title of the officer), personally appeared **FENG QUE ZHOU**, personally 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 to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Annie Ho (Seal)



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