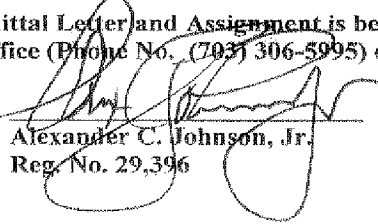


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Date: February 23, 2005

  
Alexander C. Johnson, Jr.  
Reg. No. 29,396

PATENT APPLICATION  
Attorney's Do. No. 5866-18 (149US)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hidenori Nakada; Shusuke Wada; Keisuke Ikeda; Yuko Ota  
Serial No.10/969,195

Filed: September 17, 2004

For: OPTICAL ATTENUATOR

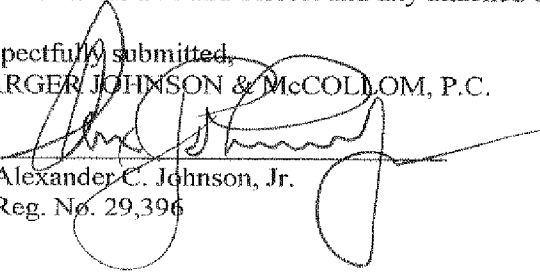
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Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party conveying an interest: (1) **Hidenori Nakada** c/o FDK Corporation, 36-11, Shinbashi 5-chome, Minato-ku, Tokyo 105-0004, Japan; (2) **Shusuke Wada** c/o FDK Corporation, 36-11, Shinbashi 5-chome, Minato-ku, Tokyo 105-0004, Japan; (3) **Keisuke Ikeda** c/o FDK Corporation, 36-11, Shinbashi 5-chome, Minato-ku, Tokyo 105-0004, Japan; and (4) **Yuko Ota** c/o FDK Corporation, 36-11, Shinbashi 5-chome, Minato-ku, Tokyo 105-0004, Japan
2. Name and address of party receiving an interest: **FDK Corporation, a Japanese corporation**, 36-11, Shinbashi 5-chome, Minato-ku, Tokyo 105-0004, Japan
3. Description of the interest conveyed: Assignment  
Date of execution of attached document: (1) September 8, 2004; (2) September 8, 2004; (3) September 8, 2004; (4) September 8, 2004
4. Patent Application Serial No. 10/969,195 Additional sheet attached? No
5. Name and address of party to whom correspondence concerning document should be mailed:  
  
MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205 Telephone: (503) 222-3613
6. Number of applications: 1
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed
8. 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.

Respectfully submitted,  
MARGER JOHNSON & McCOLLOM, P.C.

By   
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Total number of pages including cover sheet, attachments and documents: 7

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PATENT  
REEL: 015773 FRAME: 0723

OP \$40.00 10969195

PATENT APPLICATION  
Attorney's Do. No. 5866-18 (149US)

ASSIGNMENT

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Title of  
Invention:

**OPTICAL ATTENUATOR**

U.S. Patent Application:

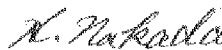
Application Serial No.:

Filing Date:

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Tokyo, Japan, this 8 day of Sep, 2004.



Hidenori Nakada  
Assignor

Executed at Tokyo, Japan, this 8 day of sep, 2004.

Sh. Wada  
Shusuke Wada  
Assignor

Assignment of U.S. Patent Application

OPTICAL ATTENUATOR

Inventors: Hidenori Nakada; Shusuke Wada; Keisuke Ikeda and Yuko Ota

Assignee: FDK Corporation

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**PATENT**  
**REEL: 015773 FRAME: 0726**

Executed at Tokyo, Japan, this 8 day of Sep., 2004.

K. Ikeda

Keisuke Ikeda  
Assignor

Assignment of U.S. Patent Application

OPTICAL ATTENUATOR

Inventors: Hidenori Nakada; Shusuke Wada; Keisuke Ikeda and Yuko Ota

Assignee: FDK Corporation

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**PATENT**  
**REEL: 015773 FRAME: 0727**

Executed at Tokyo, Japan, this 8 day of Sep, 2004.

Y Ota  
Yuko Ota  
Assignor

Assignment of U.S. Patent Application

OPTICAL ATTENUATOR

Inventors: Hidenori Nakada; Shusuke Wada; Keisuke Ikeda and Yuko Ota

Assignee: FDK Corporation

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**RECORDED: 02/23/2005**

**PATENT**  
**REEL: 015773 FRAME: 0728**