

A/D/581-40

07-24-2000

09/555566
TIPTO (31 JUN 2000)

FORM PTO-1596
1-31-92

R



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 50212-109

101411398

To the Honorable Commissioner of Patent,

and original documents or copy thereto:

1. Name of Conveying Parties:

Hiroyasu TOYOOKA, Koji KASHIHARA, Atsushi TAKAI,
and Atsushi MIURA

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: March 27, March 29 and April 3, 2000

2. Name and address of receiving parties:

Names: 1. SUMITOMO ELECTRIC INDUSTRIES, LTD. at 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan

2. HITACHI, LTD. at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010 Japan

Additional name(s) & address(es) attached? Yes

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

If the document is being filed together with a new application, the execution date of the application is: March 27, March 29 and April 3, 2000

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? Yes

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

Name: MCDERMOTT, WILL & EMERY
Internal Address:

Street Address: 600 13th Street, N.W.

06/02/2000 MELAYNO 00000012 500417 09553366
03 FC:501 40-00-CH
City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 500417

DO NOT USE THIS SPACE

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.

Stephen A. Becker, 26,527

June 1, 2000

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|-----------------------------|--------------------------|
| (1) <u>Hiroyasu TOYOOKA</u> | (4) <u>Atsushi MIURA</u> |
| (2) <u>Koji KASHIHARA</u> | (5) _____ |
| (3) <u>Atsushi TAKAI</u> | (6) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SUMITOMO ELECTRIC INDUSTRIES, LTD.
5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan
HITACHI, LTD.
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

OPTICAL CONNECTOR GUIDE PIN AND OPTICAL CONNECTOR PLUG

- (a) for which an application for United States Letters Patent was filed on _____ and identified by United States Serial No. _____ ; or
- (b) for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Hiroyasu TOYOOKA</u> Name: Hiroyasu TOYOOKA	<u>March. 27. 2000</u>
2) <u>Koji KASHIHARA</u> Name: Koji KASHIHARA	<u>March. 27. 2000</u>

3)

Name: Atsushi TAKAI

4)

Name: Atsushi MIURA

Docket No.:

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Hiroyasu TOYOOKA (4) Atsushi MIURA
- (2) Koji KASHIHARA (5) _____
- (3) Atsushi TAKAI (6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SUMITOMO ELECTRIC INDUSTRIES, LTD.
5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan
HITACHI, LTD.
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

OPTICAL CONNECTOR GUIDE PIN AND OPTICAL CONNECTOR PLUG

- (a) for which an application for United States Letters Patent was filed on _____ and identified by United States Serial No. _____ ; or
- (b) for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) _____ Name: Hiroyasu TOYOOKA	_____
2) _____ Name: Koji KASHIHARA	_____

3) *Atsushi Takai*

3) *Atsushi Takai*
Name: Atsushi TAKAI

March 29, 2000

4) *Atsushi Miura*
Name: Atsushi MIURA

April 03, 2000