

PATENTS ONLY (ref OG 7/28/92)

6-303

06-06-2003

To the Honorable Commissioner of Patents
Please record the attached original document



102465985

- 1. Name of Party(ies) conveying an interest:
- 2. Name and Address of Party(ies) receiving an interest:

Ryoichi TAKANO
Kazuhiko HIKASA
Yasuyuki KIMURA
Hiroshi HAGISAWA
Patrick WURM
Robert Astle HENSHAW
David FREEBOROUGH



HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo, JAPAN

TTPCOM LIMITED
Melbourn Science Park
Cambridge Road
Melbourn, Royston
Hertfordshire SG8 6HQ UNITED KINGDOM

3. Description of the interest conveyed: Assignment

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

Additional sheet attached? ___ Yes XXX No

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

- A. Patent Application No. (s)
- B. Patent No. (s)

10/373,031

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

John R. Mattingly
Mattingly, Stanger & Malur, P.C.
1800 Diagonal Road, Suite 370
Alexandria, Virginia 22314

6. Number of applications and patents involved: One

7. Amount of fee enclosed or authorized to be charged: \$40.00

8. The Commissioner is hereby authorized to charge Deposit Account No. 50-1417 if no check is attached.

DO NOT USE THIS SPACE

06/05/2003 ECD/PER 00000097 10373031

01 FC:8021

40.00 00

9. Execution date of attached document: March 6, April 8, 16 & 23, 2003

10. To the best of my knowledge and belief, I declare under penalty of perjury under the laws of the United States of America that the foregoing information is true and correct and that any attached copy is a true copy of the original document.

Daniel J. Stanger
Name of Person Signing

Daniel J. Stanger
Signature

June 3, 2003
Date

Total number of pages being submitted: 2

WV 7-1-9

ASSIGNMENT
(讓渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Ryoichi TAKANO, Kazuhiko HIKASA, Yasuyuki KIMURA and Hiroshi HAGISAWA, citizens of Japan, and Patrick WURM a citizen of France, and Robert Astle HENSHAW and David FREEBOROUGH citizens of United Kingdom by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and TTPCOM LIMITED, a corporation organized under the laws of United Kingdom, located at Melbourn Science Park, Cambridge Road, Melbourn, Royston, Hertfordshire SG8, 6 ~~002~~⁴⁰, United Kingdom, respectively,

receipt of which is hereby acknowledged, we, the said Ryoichi TAKANO, Kazuhiko HIKASA, Yasuyuki KIMURA, Hiroshi HAGISAWA, Patrick WURM, Robert Astle HENSHAW and David FREEBOROUGH

do hereby sell and assign to said HITACHI, LTD., and TTPCOM LIMITED,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

TRANSMITTER AND SEMICONDUCTOR INTEGRATED CIRCUIT FOR
COMMUNICATION

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and TTPCOM LIMITED, their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and TTPCOM LIMITED.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Ryoichi Takano</u> Ryoichi TAKANO	<u>6/ March /2003</u>
2) <u>Kazuhiko HIKASA</u> Kazuhiko HIKASA	<u>6/ March /2003</u>
3) <u>Yasuyuki Kimura</u> Yasuyuki KIMURA	<u>6/ March /2003</u>
4) <u>Hiroshi Hagisawa</u> Hiroshi HAGISAWA	<u>6/ March /2003</u>
5) <u>Patrick WURM</u> Patrick WURM	<u>16 April 2003</u>
6) <u>Robert Astle HENSHAW</u> Robert Astle HENSHAW	<u>8 April 2003</u>
7) <u>David FREEBOROUGH</u> David FREEBOROUGH	<u>23 April 2003</u>
8) _____	_____