


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.

John R. Mattingly
Name of Person Signing


Signature

June 22, 2001
Date

Total number of pages being submitted: 3

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to

Masayuki MIYAZAKI, Koichiro ISHIBASHI, Takeshi SAKATA, Satoru HANZAWA, Hiroyuki MIZUNO, Kiyoshi HASEGAWA, Masaru KOKUBO, and Hirokazu AOKI.
citizens of Japan by Hitachi, Ltd. and Hitachi ULSI Systems Co.,Ltd.

located at 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan and 5-22-1, Josuihon-cho, Kodaira-shi, Tokyo, Japan

receipt of which is hereby acknowledged, we, the said

Masayuki MIYAZAKI, Koichiro ISHIBASHI, Takeshi SAKATA, Satoru HANZAWA, Hiroyuki MIZUNO, Kiyoshi HASEGAWA, Masaru KOKUBO and Hirokazu AOKI.

do hereby sell and assign to said Hitachi, Ltd. and Hitachi ULSI Systems Co.,Ltd.

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

its in and to TIMING-CONTROL CIRCUIT DEVICE AND CLOCK DISTRIBUTION SYSTEM

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 extentions 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 Hitachi ULSI Systems Co., Ltd.

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, extention, 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 Hitachi ULSI Systems Co., Ltd.

Signed on the dates indicated aside our signatures:

INVENTORS (発明者フルネームサイン)	Date Signed (署名日)	Witnesses (立会人サイン)
1) <u>Masayuki Miyazaki</u> (Masayuki MIYAZAKI)	August 20, 1999	<u>Hiroshi Asanuma</u>
2) <u>Koichiro Ishibashi</u> (Koichiro ISHIBASHI)	August 20, 1999	<u>Hiroshi Asanuma</u>
3) <u>Takeshi Sakata</u> (Takeshi SAKATA)	August 20, 1999	<u>Hiroshi Asanuma</u>
4) <u>Satoru Hanzawa</u> (Satoru HANZAWA)	August 20, 1999	<u>Hiroshi Asanuma</u>
5) <u>Hiroyuki Mizuno</u> (Hiroyuki MIZUNO)	August 20, 1999	<u>Hiroshi Asanuma</u>
6) <u>Kiyoshi Hasegawa</u> (Kiyoshi HASEGAWA)	August 20, 1999	<u>Hiroshi Asanuma</u>
7) <u>Masaru Kokubo</u> (Masaru KOKUBO)	August 20, 1999	<u>Hiroshi Asanuma</u>
8) <u>Hirokazu Aoki</u> (Hirokazu AOKI)	August 20, 1999	<u>Hiroshi Asanuma</u>

PATENT