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**HIRASAWA, SHIGEMI
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KAWASAKI, HIROSHI**
7-2-03
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: 1) **HITACHI DISPLAYS, LTD.**
2) **HITACHI DEVICE ENGINEERING CO., LTD.**
Address: 1) **3300 Hayano, Mobara-shi, Chiba-ken, Japan**
2) **3681 Hayano, Mobara-shi, Chiba-ken 297-8581, Japan**
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
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Execution Date: **June 23, 2003.**

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: **June 23, 2003.**
A. Patent Application No.(s)
10610683

B. Patent Registration No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Antonelli, Terry, Stout & Kraus, LLP**
Internal Address:
**1300 North Seventeenth Street
Suite 1800
Arlington, VA 22209
USA**
City: State: Zip:

6. Total number of applications and patents involved **1**
7. Total fee (37 CFR 3.41)..... **\$40.00**
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01-2135
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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.
Melvin Kraus, Reg# 22,466 *Melvin Kraus* **07/02/2003**
Name of Person Signing Signature Date

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PATENT
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ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI DISPLAYS, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., corporations organized under the laws of Japan, located at 3300 Hayano, Mobara-shi, Chiba-ken, Japan, and 3681 Hayano, Mobara-shi, Chiba-ken 297-8581, Japan, respectively, receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI DISPLAYS, LTD., and HITACHI DEVICE ENGINEERING CO., LTD., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

DISPLAY DEVICE

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 DISPLAYS, LTD., and HITACHI DEVICE ENGINEERING 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, 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 DISPLAYS, LTD., and HITACHI DEVICE ENGINEERING CO., LTD.

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>Shigemi Hirasawa</u>	<u>June 23, 2003</u>
2) <u>Yoshiaki Kureko</u>	<u>June 23, 2003</u>
3) <u>Susumu Sasaki</u>	<u>June 23, 2003</u>
4) <u>Yuichi Kijima</u>	<u>June 23, 2003</u>
5) <u>Hiroshi Kawasaki</u>	<u>June 23, 2003</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____