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To the Honorable Commissioner of Patents and Tradermarks. Please record the attached original documents or copy thereof.  1. Name of Conveying Party(ies):  Assush HASEGAWA Additional names of Conveying parties attached  3. Nature of Conveying parties attached  3. Nature of Conveying parties attached  3. Nature of Conveying parties attached  4. Nature of Conveying parties attached  5. Nature of Conveying parties attached  6. Security Agreement  7. Chyoda-ku, Tokyo, Japan  6. Name and Address:  6. Kanda Surugadal 4-chome City, State, Zip: Chyoda-ku, Tokyo, Japan  7. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  8. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  8. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  8. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  8. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  8. Deposit Account Number:  9. Statement and Signature:  7. Total Fee: (37 C.F.R. § 3.41)  8. Enclosed.  9. Authorized to be charged to deposit account.  8. Deposit Account Number:  9. Statement and Signature:  7. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001  Stanley P. Fisher, Resistation No. 20.34  To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001		101	JUS - 1111A.0061
1. Name of Conveying Party(ies): Atsushi HASEGAWA Additional names of conveying parties attached  3. Nature of Conveyance: B Assignment	To the Honorable	Commissioner of Patents and Trademarks. Please r	ecord the attached original documents or copy thereof.
3. Nature of Conveyance:    Sal Assignment	1. Name o	of Conveying Party(ies):	2. Name and Address of Receiving Party(ies): Name: HITACHI, LTD.
Street Address: Security Agreement Change of Name Other: Execution Date: June 18, 2001  4. (a) Patent Application Number(s): 4. (b) Patent Numbers:  4. (b) Patent Numbers:  4. (b) Patent Numbers:  4. (b) Patent Numbers:  4. (c) Patent Numbers:  4. (b) Patent Numbers:  4. (c) Patent Numbers:  4. (d) Patent Numbers:  4. (e) Patent Numbers:  5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  Name: Stanley P. Fisher  7. Total Fee: (37 C.F.R. § 3.41)  8. Deposit Account Number: (37 C.F.R. § 3.41)  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (38 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (48 - 1880) Authorized to be charged to deposit account.  8. Deposit Account Number: (49 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (49 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (40 - 1480) Authorized to be charged to deposit account.  8. Deposit Account Number: (40 - 1480) Authorized to be charged to deposit account.	3 Nature	of Conveyance	Internal Address:
4. (b) Patent Numbers:  4. (c) Patent Numbers:  4. (c) Patent Numbers:  4. (c) Patent Numbers:  4. (d) Patent Numbers:  4. (a) Patent Numbers:  4. (d) Patent Numbers:  4. (d	⊠ Assig □ Secu □ Othe	gnment	6, Kanda Surugadai 4-chome City, State, Zip:
June 18, 2001  Additional Numbers Attached.  5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  Name: Stanley P. Fisher  Reed Smith Hazel Thomas LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042  Benclosed. Authorized to be charged to deposit account.  8. Deposit Account Number: 08-1480 ONOT USE THIS SPACE  9. Statement and Signature:  To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001	4. (a) Pater	nt Application Number(s):	4. (b) Patent Numbers:
5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:  Name: Stanley P. Fisher  Stanley P. Fisher  Reed Smith Hazel Thomas LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042  Enclosed. Authorized to be charged to deposit account.  8. Deposit Account Number: 08-1480 ATTACHDEPLEATECRY OF THIS PAUL DEPARTMENT ACCOUNT  DO NOT USE THIS SPACE  9. Statement and Signature:  To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001	execution date of	the application is:	
Concerning this Document Should be Mailed:  Name: Stanley P. Fisher  Reed Smith Hazel Thomas LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042  Enclosed. Authorized to be charged to deposit account.  8. Deposit Account Number: 08-1480 ATTACHEAPTRATECRY OF THIS PAGE BY PAYING BY DEPOSIT ACCOUNT.  DO NOT USE THIS SPACE  9. Statement and Signature: To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001			
Address:  Reed Smith Hazel Thomas LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042   8. Deposit Account Number: 08-1480 ATTACHDEPLICATE COPY OF THIS PAGE B-PAYING BY DEPOSIT ACCOUNT.  DO NOT USE THIS SPACE  9. Statement and Signature:  To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001  Stanley P. Fisher, Registration No. 24,344			6. Total Number of Applications and Patents Involved: 1
3110 Fairview Park Dr. Suite 1400 Falls Church, Va. 22042   8. Deposit Account Number: 08-1480 ATTACH DEPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT  DO NOT USE THIS SPACE  9. Statement and Signature:  To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.  August 2, 2001  Stanley P. Fisher, Registration No. 24,344	Name:	Stanley P. Fisher	340.00
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August 2, 2001  Stanley P. Fisher, Registration No. 24,344  THAN CAPT OF A. MARCUEZ	9. Stateme	nt and Signature:	
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Total number of pages comprising cover sheet:	Stanley P. Fisher,	Registration No. 24,344	August 2, 2001
	Total number of p	ages comprising cover sheet:	TTOTA. MARQUEZ

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**PATENT** 

REEL: 012048 FRAME: 0646

## **ASSIGNMENT**

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged | do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## **ACTIVE MATRIX DISPLAY DEVICE**

invented by me (if only one is named below) or us (if plural inventors are named below) 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., its 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

RECORDED: 08/02/2001

		INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)	
1) _	Atsushi	Hasegawa	 Jun. 18, 2001	
2) _				
3) _				
<b>4</b> ) .				
5) _				
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