FORM PTO-1595

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U.S.	DEPARTMENT	OF COMMERCE
	Patent and	Trademark Office

1-31-92 101912116 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party (ies): 2. Name and address of receiving party(ies): TOSHIBA VIDEO PRODUCKS APAN CO., LTD. KABUSHIKI KAISHA TOSHIBA Name: Address: 1-1 Shibaura, 1 chome, Minato-ku, DEC 0 6 2001 Tekyo, Japan arty(ies) attached? □Yes■No Additional nam) of conveying 3. Nature of Convenience Assignment □ Merger □ Security Agreement □ Change of Name □ Other October 28,2001 Additional name(s) and address(es) attached? □Yes ■No Execution Date: 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: B. Patent No.(s) A. Patent Application No.(s) 09/532,777 09/532,864 09/811,634 09/812.547 09/953,868 Additional numbers attached? □Yes □No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 5 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$200.00 Enclosed □ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 22850 (Attach duplicate 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 information is true and correct and any attached copy is a true copy of the original document. Marvin J. Spivak Name of Person Signing 24,913 Registration Number: Total number of pages including this cover sheet: Do not detach this portion Mail documents to be recorded with required cover sheet information to: /10/2001 DBYRNE 00000065 09532777 Commissioner of Patents and Trademarks **Box Assignments**

Washington, D.C. 20231

PATENT REEL: 012348 FRAME: 0123

ASSIGNMENT

WHEREAS, TOSHIBA VIDEO PRODUCTS JAPAN CO., LTD. of 1-1-1, Shibaura, Minato-ku, Tokyo-to 105-8001, Japan, a corporation organized and existing under the laws of the Country of JAPAN is the sole and exclusive owner, by assignment, of the following Letters Patent of the United States of America:

TOOTTE TLATE

FATENI NUMBER	1220F DATE
09/532,777	March 22,2000
09/532,864	March 22,2000
09/811,634	March 20,2001
09/812,547	March 21, 2001
09/,953,868	September 18, 2001

DATENIT MILIMPED

WHEREAS, KABUSHIKI KAISHA TOSHIBA of 1-1 Shibaura, 1-chome, Minato-ku, Tokyo, Japan, a corporation organized and existing under the laws of the Country of JAPAN (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, TOSHIBA VIDEO PRODUCTS JAPAN CO., LTD. by these presents do sell, assign, and transfer unto ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the inventions described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters Patent have been granted or reissues may be granted, said inventions and Letters Patent to be

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held and enjoyed by the ASSIGNEE, and for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of infringement past and present, as fully and entirely as the same would have been held by us had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, TOSHIBA VIDEO PRODUCTS JAPAN CO., LTD. has caused these presents to be signed by its officer thereunto duly authorized.

TOSHIBA VIDEO PRODUCTS JAPAN CO., LTD.

Date: Oct, 28, 200/

By: N. Toutsur

Name: Noboru TSUTSUI

Title: Accounting Manager

PATENT REEL: 012348 FRAME: 0125

RECORDED: 12/06/2001