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COVER LETTER  
Y

Attorney Docket No.: 5702D-7749

1.27.99



100958645

To the Assistant Commissioner for Patents, please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
NISHIKAWA, Tsuyoshi  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Kabushiki Kaisha Toshiba  
72, Horikawa-Cho, Saiwai-Ku  
Kawasaki-Shi  
Kanagawa-Ken, Japan

JCS551 U.S. PTO  
09/238122  
01/27/99

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: January 18, 1999

Additional name(s) & address(es) attached?  Yes  No

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: January 18, 1999  
A. Patent Application No.(s) NOT ASSIGNED B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
William H. Wright  
LOEB & LOEB LLP  
10100 Santa Monica Blvd., 22nd Floor  
Los Angeles, CA 90067-4164

6. Total number of applications and patents involved: [ 1 ]  
7. Total fee (37 CFR 3.41) \$40  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
12-1820  
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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.*  
  
Date: January 27, 1999

OMB No. 0651-0011 (exp. 4/94)  
Mail documents to be recorded with required cover sheet information to:  
02/03/1999 DNGUYEN 00000110 09238122 Assistant Commissioner for Patents  
01 FC:581 40.00 OP Box Assignments  
Washington, D.C. 20231

ASSIGNMENT

Attorney Docket No. 5702D-7749

(1-8) *Insert Name(s) of Inventor(s)*

(1) Tsuyoshi NISHIKAWA (5) \_\_\_\_\_

(2) \_\_\_\_\_ (6) \_\_\_\_\_

(3) \_\_\_\_\_ (7) \_\_\_\_\_

(4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) *Insert name of Assignee* (9) KABUSHIKI KAISHA TOSHIBA

(10) *Insert state of Incorporation of Assignee* (10) an Incorporation of Japan

(11) *Insert address of Assignee* (11) 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-Shi, Kanagawa-Ken, Japan  
(hereinafter designated as the Assignee) the entire worldwide right title and interest in the invention known as

(12) *Insert identification of Invention, such as Title, Case Number or Foreign Application Number* (12) MOTION VECTOR ESTIMATION CIRCUIT AND METHOD  
(Case No. )  
for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) *Insert Date of Signing of Application* (13) on January 18, 1999

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not execute, any agreement in conflict herewith.

6) The undersigned hereby appoints STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; MICHAEL J. RAM, Reg. No. 26,379; HIDEO KODA, Reg. No. 27,729; R. DABNEY EASTHAM, Reg. No. 31,247; JoANNE S. REDMANN, Reg. No. 31,482; SONG K. JUNG, Reg. No. 35,210; WILLIAM H. WRIGHT, Reg. No. 36,312; PETER J. GLUCK, Reg. No. 38,022; JONATHAN Y. KANG, Reg. No. 38,199; DAVID L. LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Jan 18, 1999 Signature of Inventor Tsuyoshi Nishikawa

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_