To the Honorable Commissioner of Patents and Trademarks: 

1. Name of conveying party(ies): 
   Yoshihiro KIKUCHI, Tadaaki MASUDA and Takeshi NAGAI

2. Name and address of receiving party(ies): 
   Name: KABUSHIKI KAISHA TOSHIBA
   Address: 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan

3. Nature of Conveyance: 
   □ Assignment  □ Merger 
   □ Security Agreement  □ Change of Name 
   □ Other

   Execution Date: February 2, 2000

4. Application number(s) or patent number(s):
   A. Patent Application No.(s) 
      09/522,950

   B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
   OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
   Attorneys at Law
   Fourth Floor
   1755 Jefferson Davis Highway
   Arlington, Virginia 22202

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00
   □ Enclosed
   □ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
   (Attach duplicate copy of this page if paying by deposit account)

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.

   Name of Person Signing: Marvin J. Spivak
   Registration Number: 24,913

   Signature: [Signature]
   Date: 5/13/00

Total number of pages including this cover sheet: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010838 FRAME: 0183
Assignment Of Application

WHEREAS, I (WE)  Yoshihiro KIKUCHI of Kanagawa, Japan
Tadaaki MASUDA  of Tokyo, Japan
Takeshi NAGAI  of Kanagawa, Japan

have invented certain new and useful improvements in: 

MOVING IMAGE CODING APPARATUS AND DECODING APPARATUS

for which an application for Letters Patent was executed on February 2, 2000
(Application No. 09/522,950, filed March 10, 2000), and

WHEREAS, KABUSHIKI KAISHA TOSHIBA

(hereinafter referred to as “ASSIGNEE”) having a place of business at:

72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan,
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any
Letters Patent that may be granted therefore in the United States and its territorial possessions and in
any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS ($5.00), the
receipt whereof is hereby acknowledged, and for other good and valuable consideration,
I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and
exclusive right to the said invention in the United States and its territorial possessions and
in all foreign countries and the entire right, title and interest in and to any and all Letters
Patent which may be granted therefor in the United States and its territorial possessions
and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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: Feb 2, 2000

Yoshihiro KIKUCHI
(Signature of Inventor)

Date: Feb 2, 2000

Tadaaki MASUDA
(Signature of Inventor)

Date: Nov 2, 2000

Takeshi NAGAI
(Signature of Inventor)

OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
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RECORDED: 05/23/2000