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**Pages** Enter the total number of pages of the attached conveyance document:   1    
(including any attachments, but not counting cover sheets)

**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes    No XX

A. Patent Application No.(s)                      B. Patent No.(s)  
09/649,594  
(Do not recite both application and patent numbers.)

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: \_\_\_\_\_

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if  
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PCT \_\_\_\_\_  
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**Number of Properties** Enter the total number of properties involved:   1  

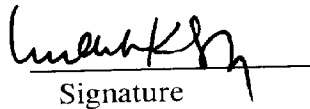
**Fee Amount**                      Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00  
XX Enclosed

   Authorized to be charged to Deposit Account No.: **01-2340**

**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.

William G. Kratz, Jr.  
Name of Person Signing

  
Signature

December 6, 2000  
Date

22,631  
Registration No.

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

Sanyo Electric Co., Ltd.  
5-5, Keihanondori 2-chome, Moriguchi-shi, OSAKA, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

VIDEO RECORDING/REPRODUCING APPARATUS WITH TUNER

(\*If the assignment is being filed after the filing of the application, this section must be completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

\*filed on August 29, 2000, Serial No. 09/649,594  
(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

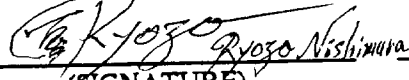
and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

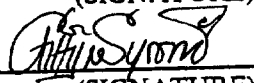
The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

 Ryozo NISHIMURA November 21, 2000  
(SIGNATURE) (TYPE NAME) (DATE)

 Catur Henry Sunyoto November 17, 2000  
(SIGNATURE) (TYPE NAME) (DATE)

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NO LEGALIZATION REQUIRED