FIG. 1 PRIOR ART

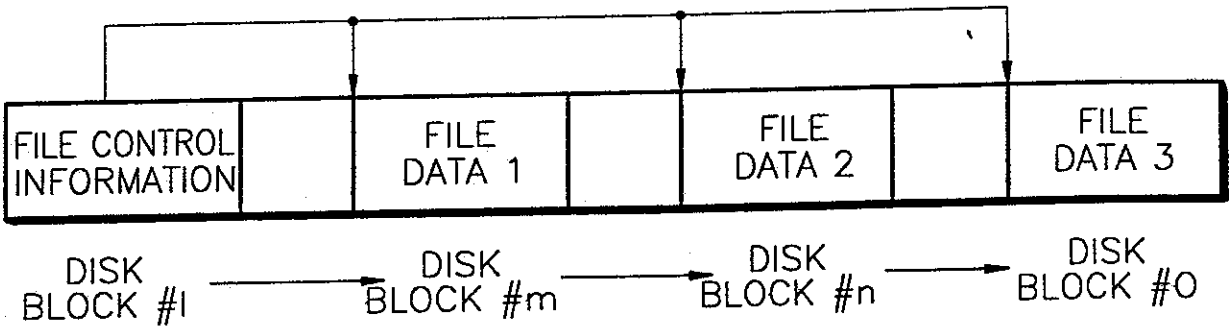
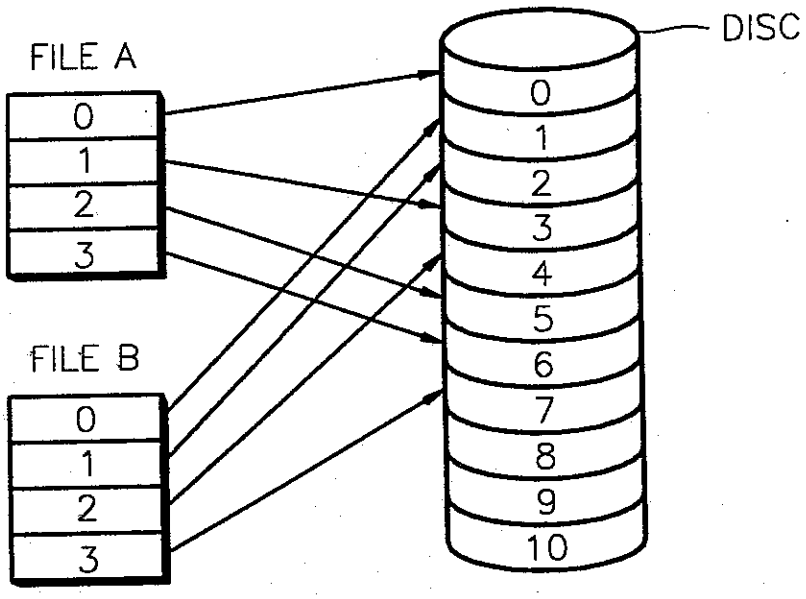


FIG. 2 PRIOR ART



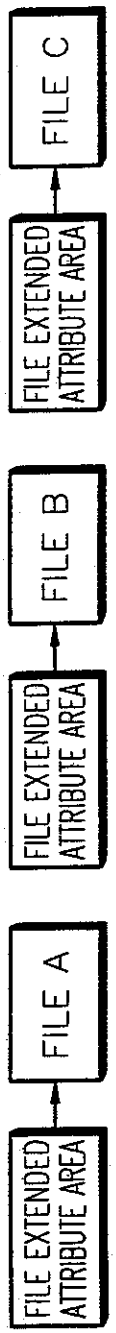


FIG. 3A

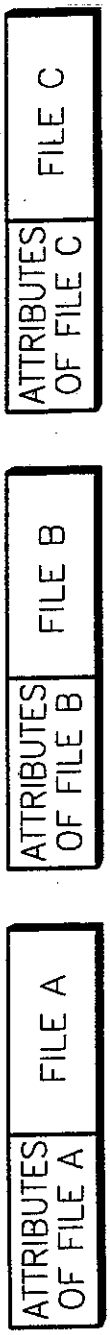


FIG. 3B



FIG. 3C

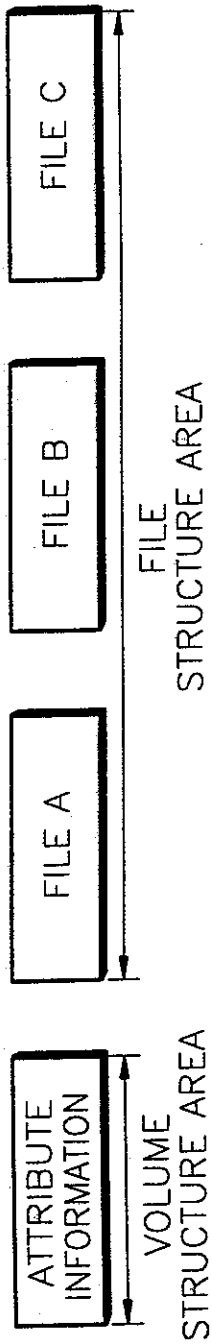


FIG. 3D

FIG. 4

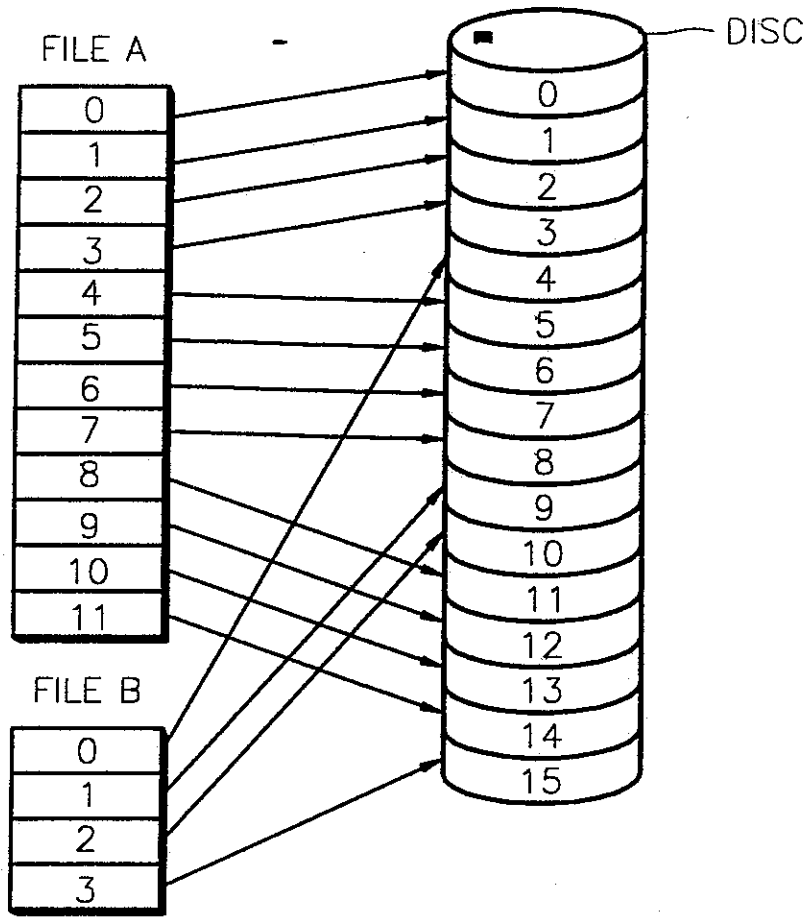


FIG. 6A

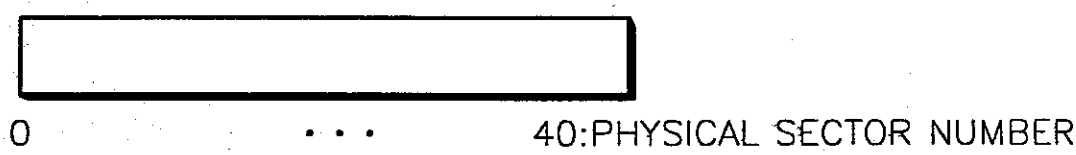


FIG. 6B

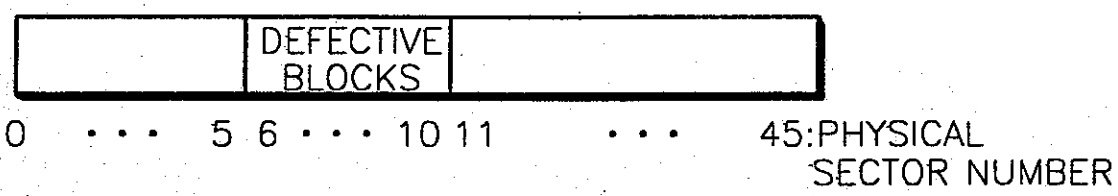


FIG. 5

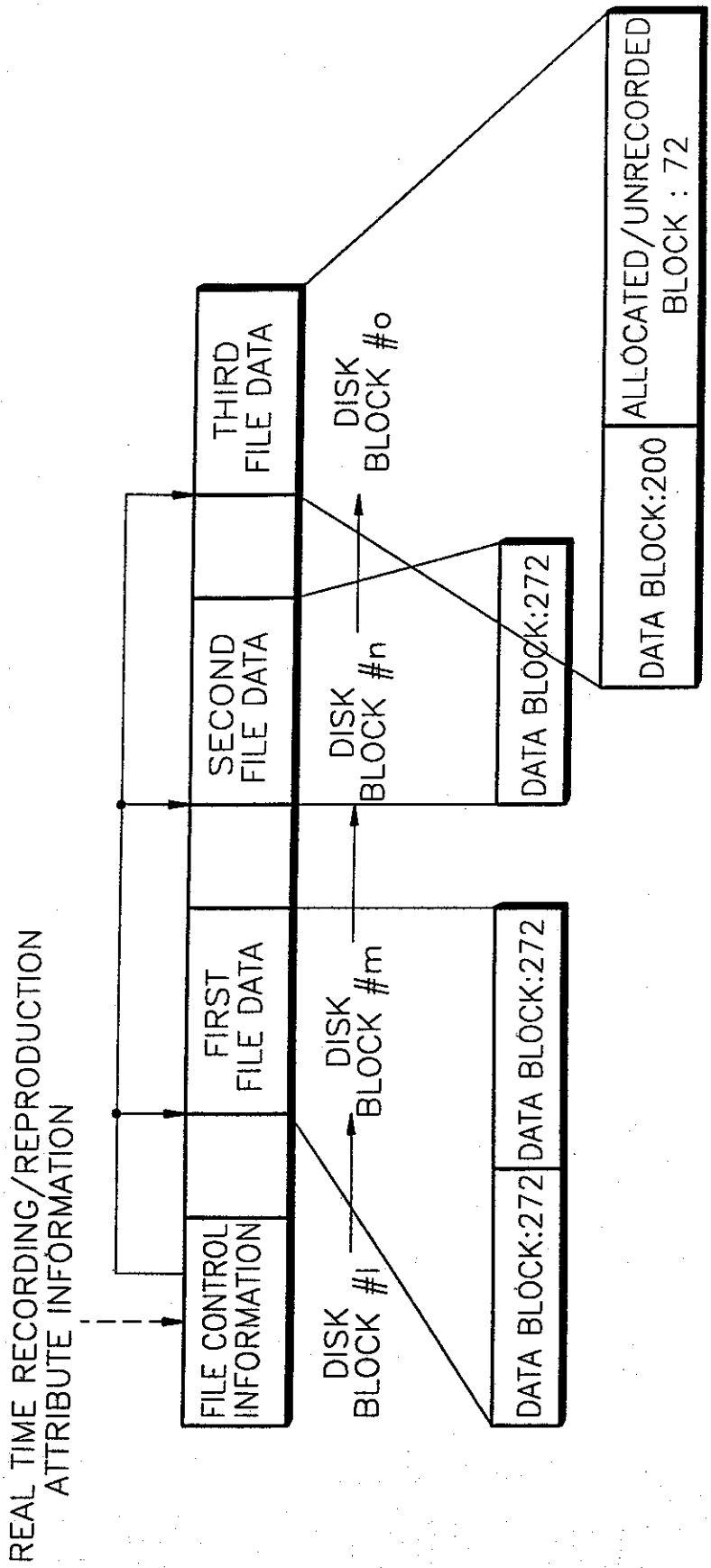

REAL TIME RECORDING/REPRODUCTION ATTRIBUTE INFORMATION
FILE CONTROL INFORMATION
FIRST FILE DATA
SECOND FILE DATA
THIRD FILE DATA
DISK BLOCK #l
DISK BLOCK #m
DISK BLOCK #n
DISK BLOCK #o
DATA BLOCK:272
DATA BLOCK:272
DATA BLOCK:272
DATA BLOCK:200
ALLOCATED/UNRECORDED BLOCK : 72

FIG. 7

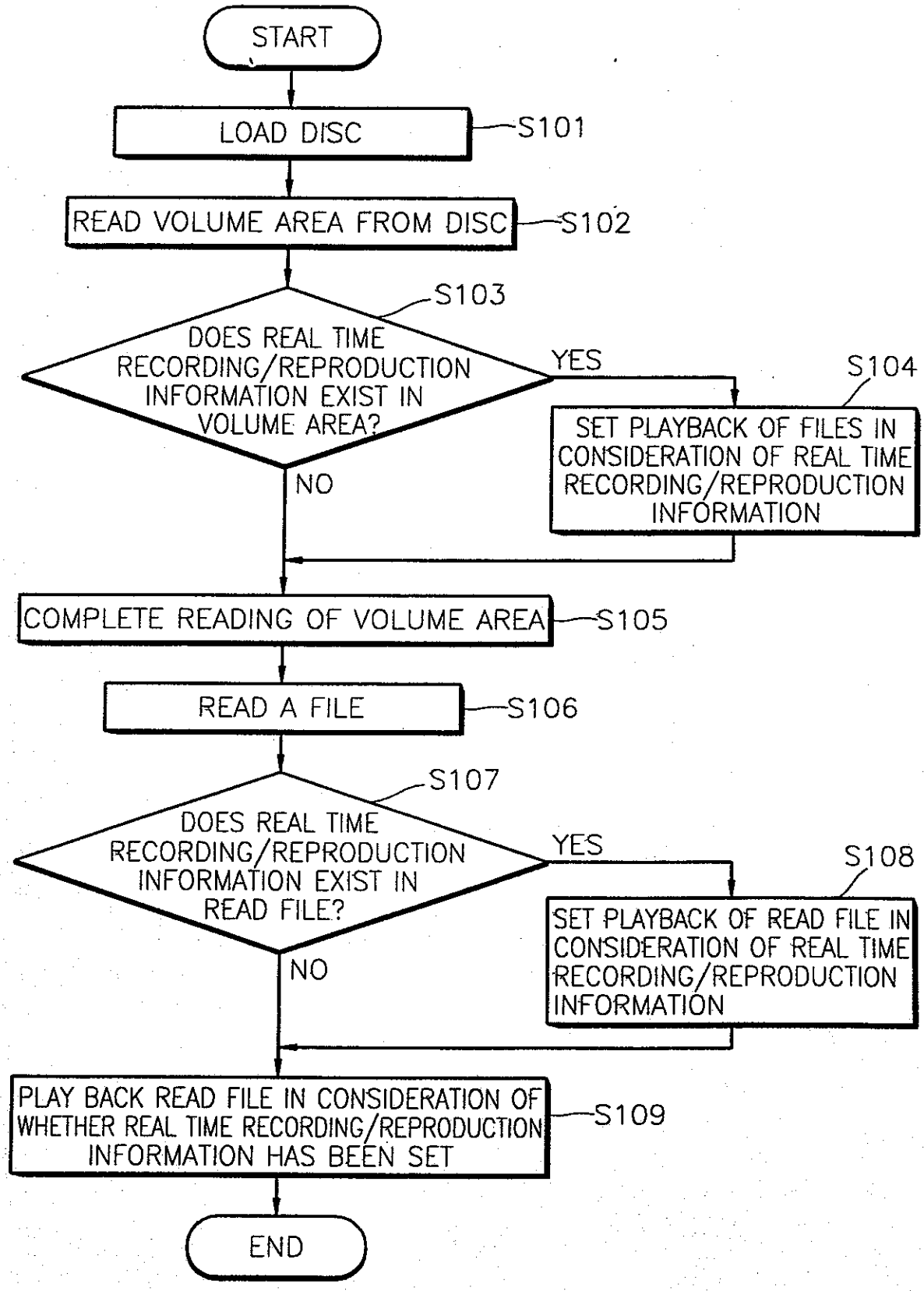

START
LOAD DISC
S101
READ VOLUME AREA FROM DISC
S102
S103
DOES REAL TIME RECORDING/REPRODUCTION INFORMATION EXIST IN VOLUME AREA?
YES
S104
SET PLAYBACK OF FILES IN CONSIDERATION OF REAL TIME RECORDING/REPRODUCTION INFORMATION
NO
COMPLETE READING OF VOLUME AREA
S105
READ A FILE
S106
S107
DOES REAL TIME RECORDING/REPRODUCTION INFORMATION EXIST IN READ FILE?
YES
S108
SET PLAYBACK OF READ FILE IN CONSIDERATION OF REAL TIME RECORDING/REPRODUCTION INFORMATION
NO
PLAY BACK READ FILE IN CONSIDERATION OF WHETHER REAL TIME RECORDING/REPRODUCTION INFORMATION HAS BEEN SET
S109
END

FIG. 8

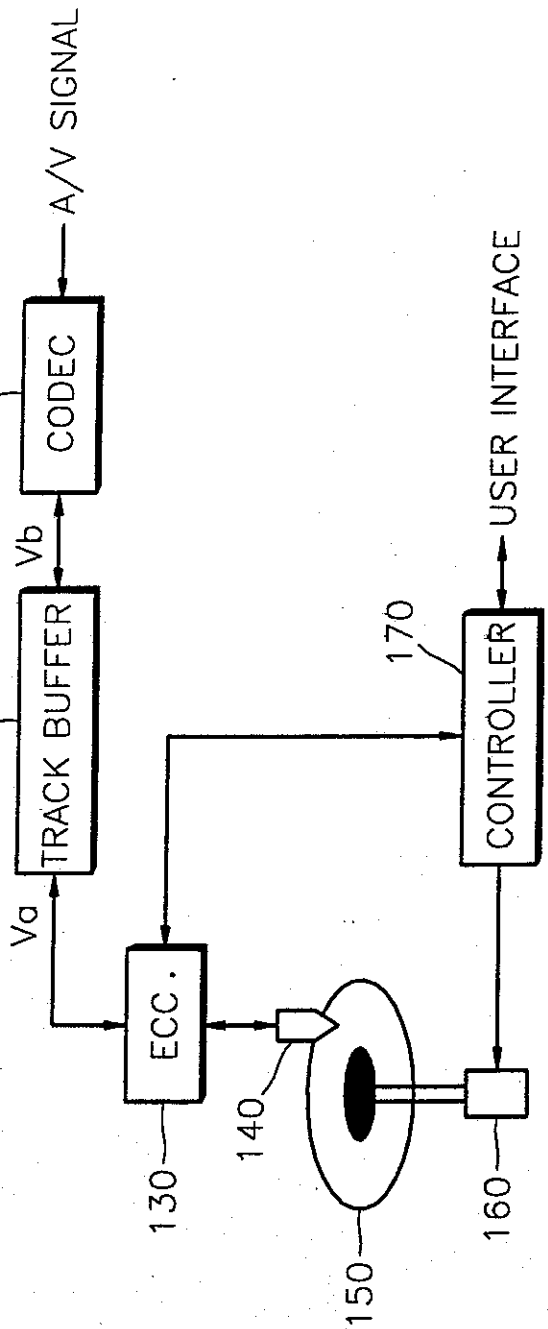

A/V SIGNAL
110
CODEC
Vb
120
TRACK BUFFER
Va
ECC.
130
140
150
160
170
CONTROLLER
USER INTERFACE

FIG. 9

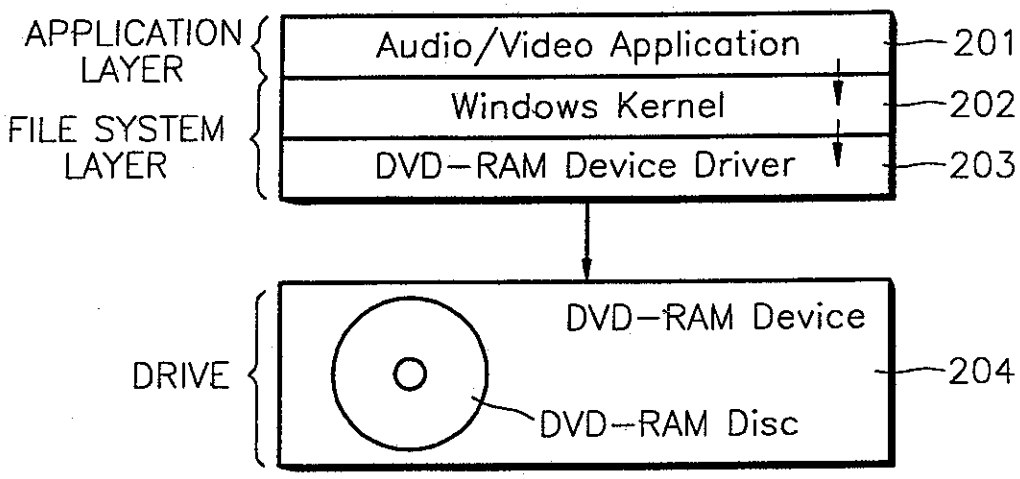

APPLICATION LAYER
FILE SYSTEM LAYER
Audio/Video Application
Windows Kernel
DVD-RAM Device Driver
201
202
203
DRIVE
DVD-RAM Device
DVD-RAM Disc
204

FIG. 10

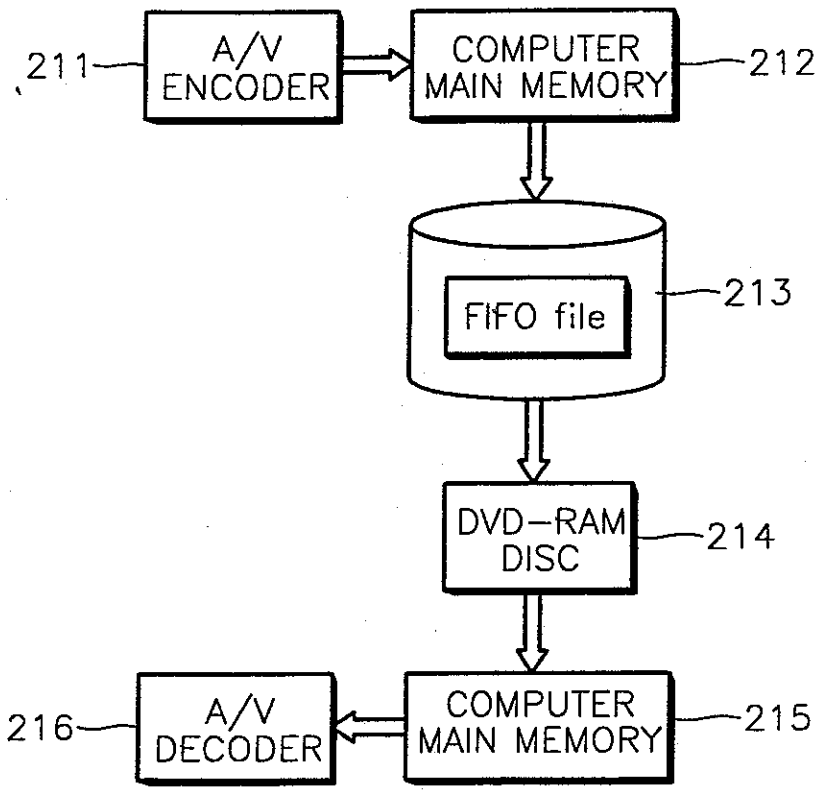
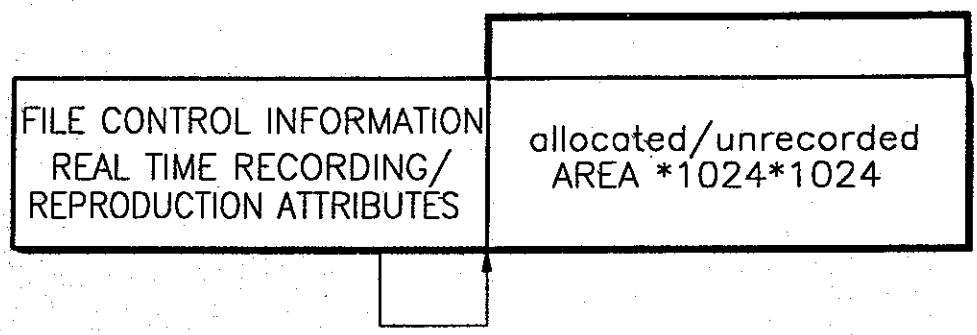


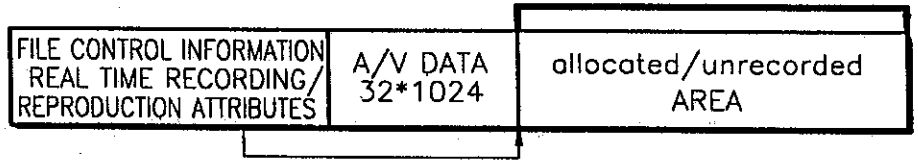
FIG. 11

SetFilePointer FileHandle, 8*1024*1024, NULL, FILE_END
SetFileBitrate FileHandle, bitrate



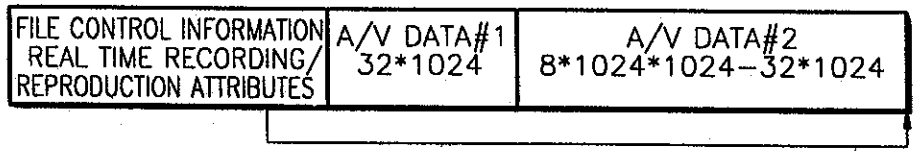
WriteFile FileHandle, AV_Buffer 32*1024, & Written, NULL

FIG. 12A



WriteFile FileHandle, AV_Buffer 8*1024*1024, NULL, NULL

FIG. 12B



WriteFile(FileHandle, AV_Buffer 32*1024, & Written, NULL

FIG. 12C

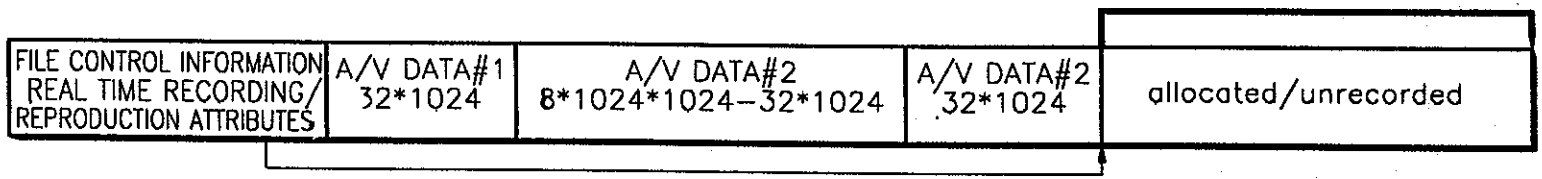


FIG. 12D

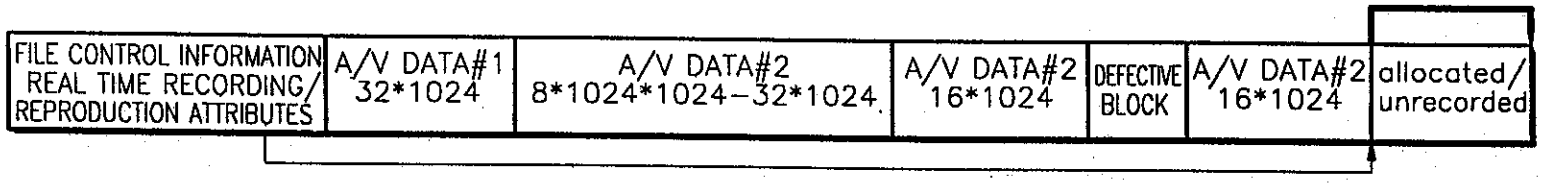


FIG. 13A

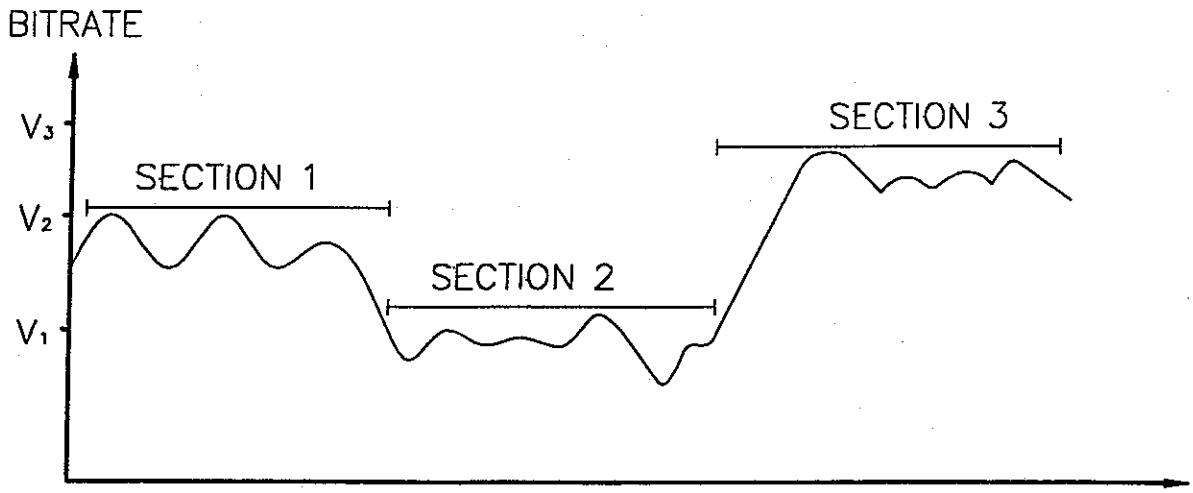


FIG. 13B

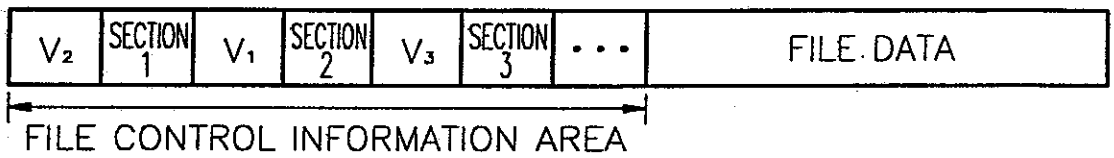


FIG. 13C

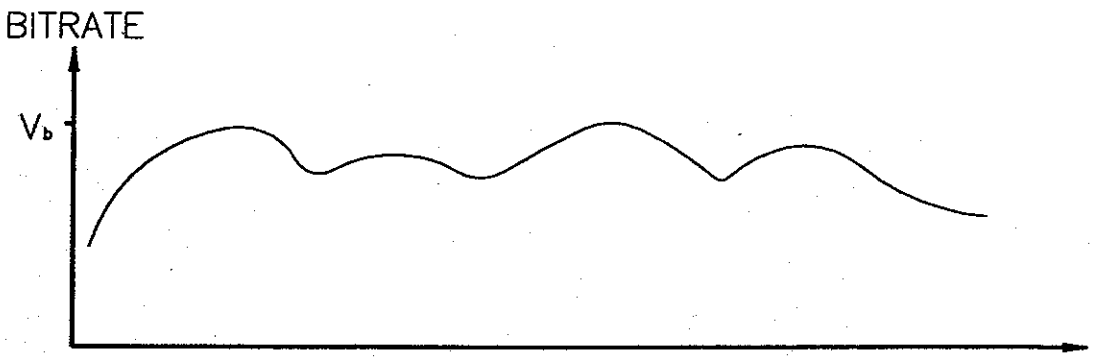
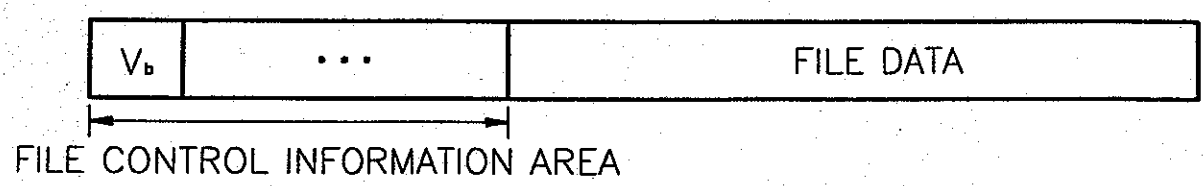


FIG. 13D



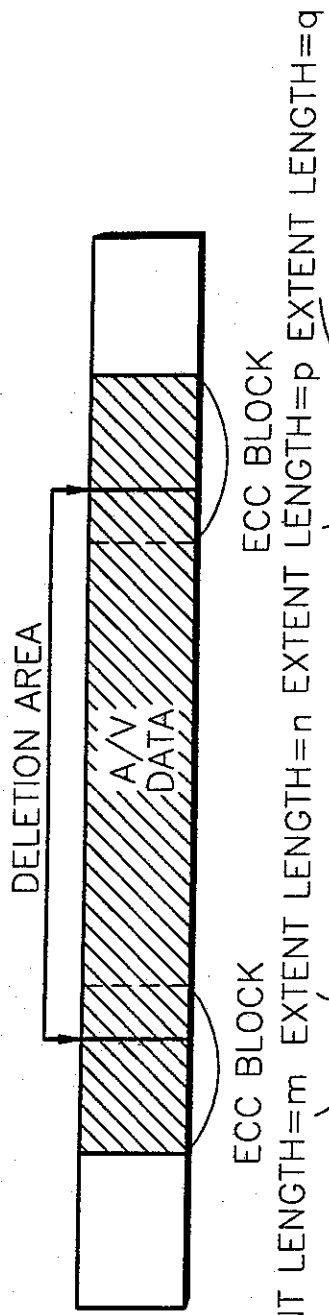


FIG. 14A

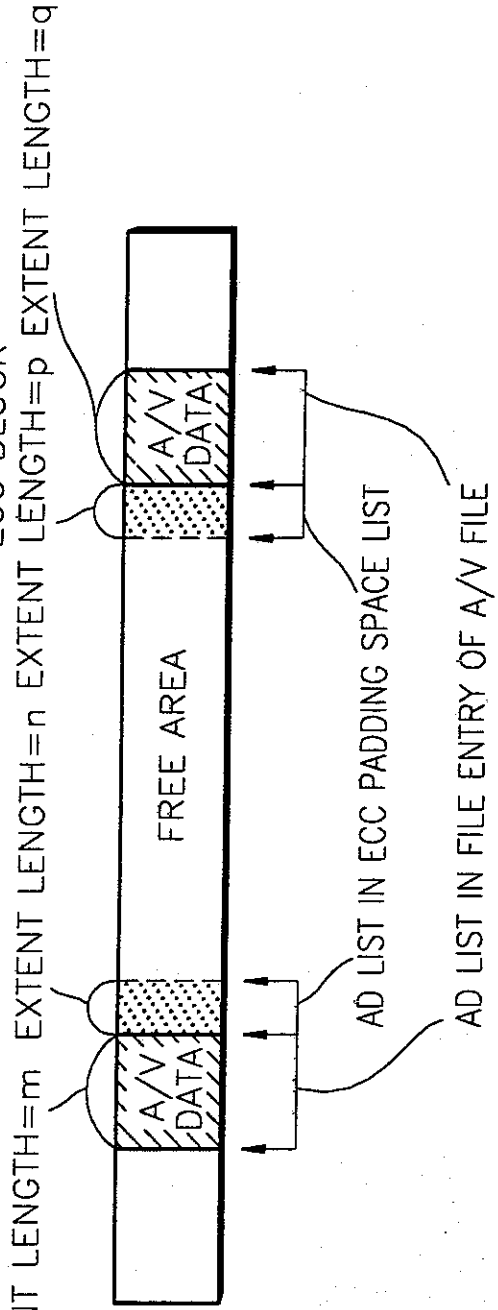


FIG. 14B

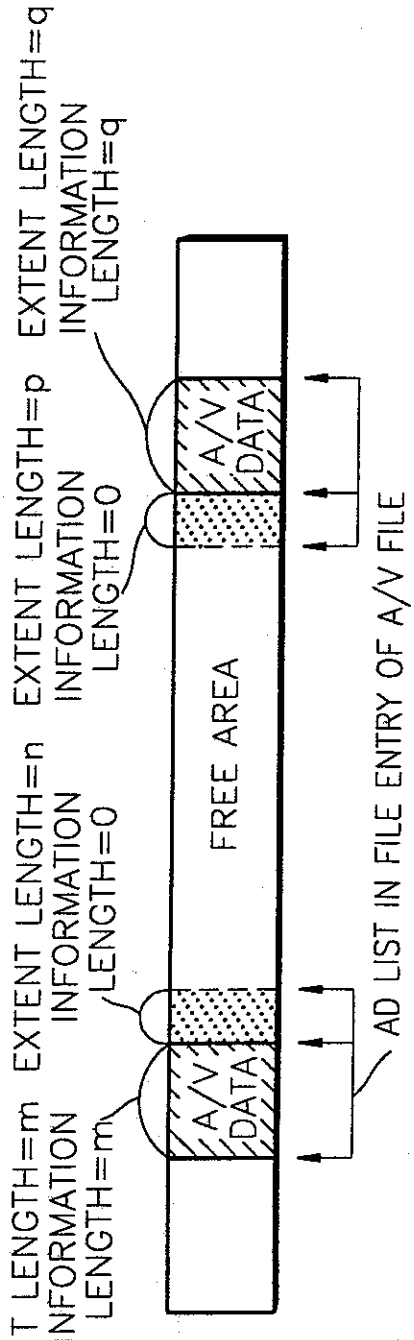


FIG. 14C