

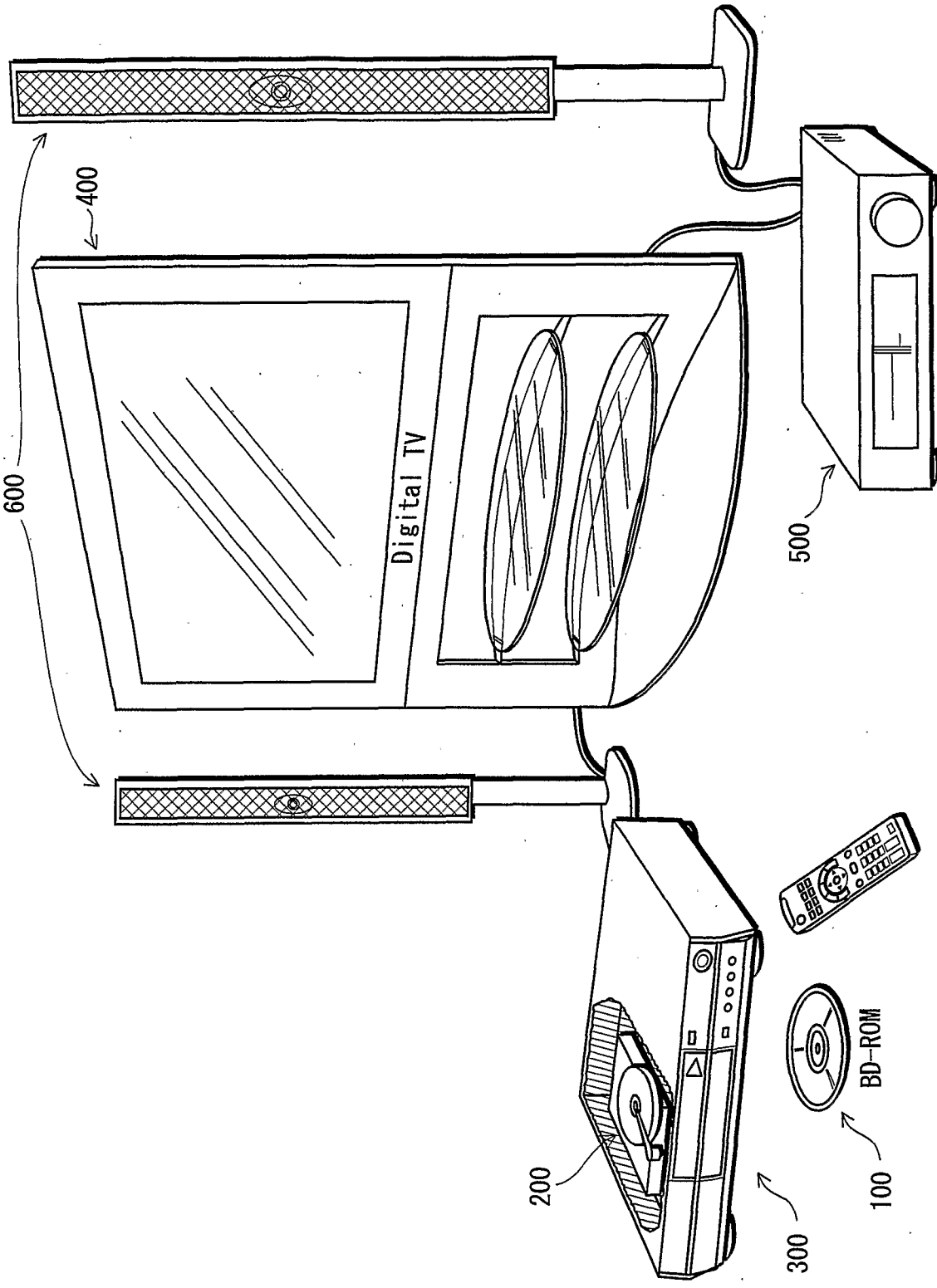


FIG. 1

FIG. 2

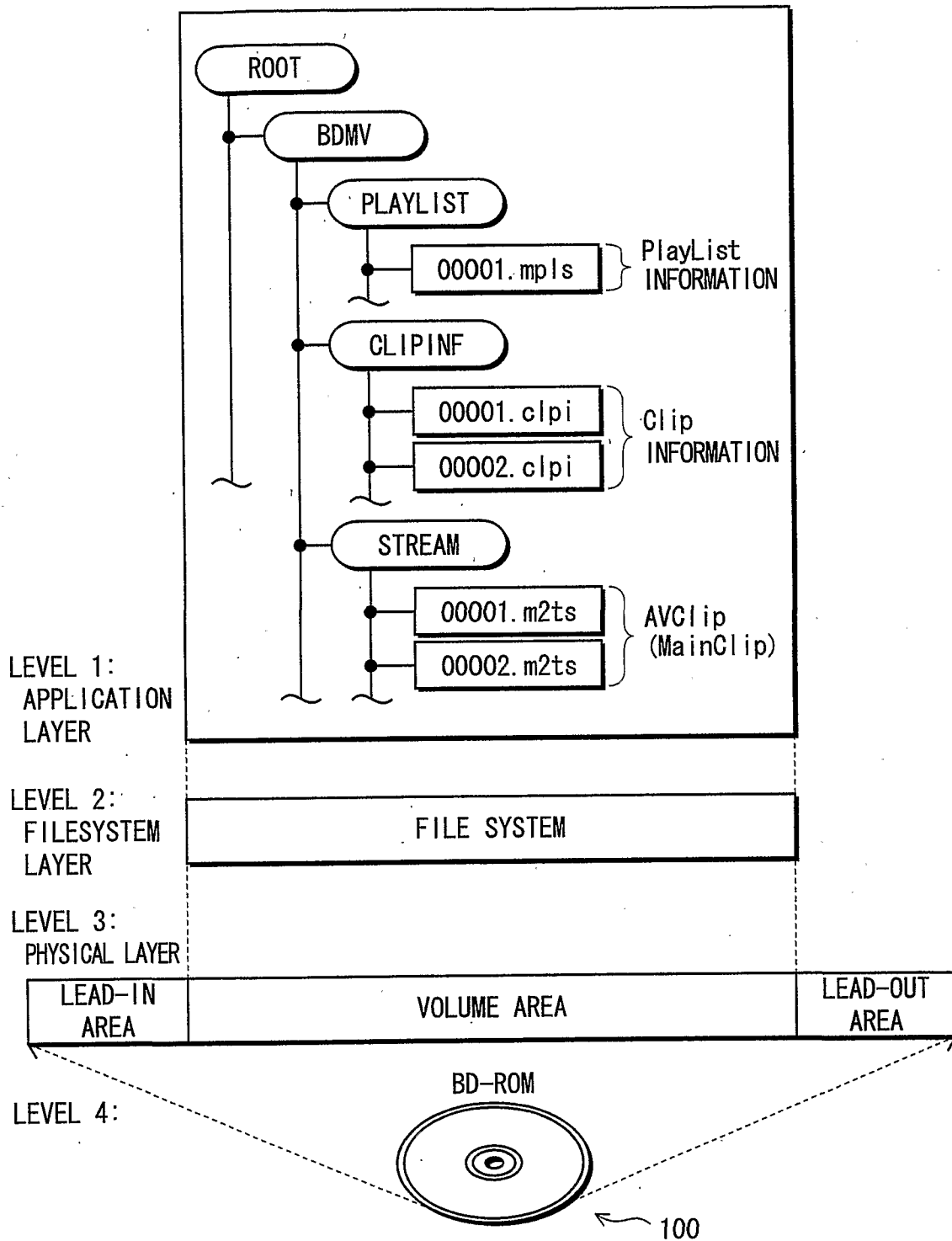


FIG. 3

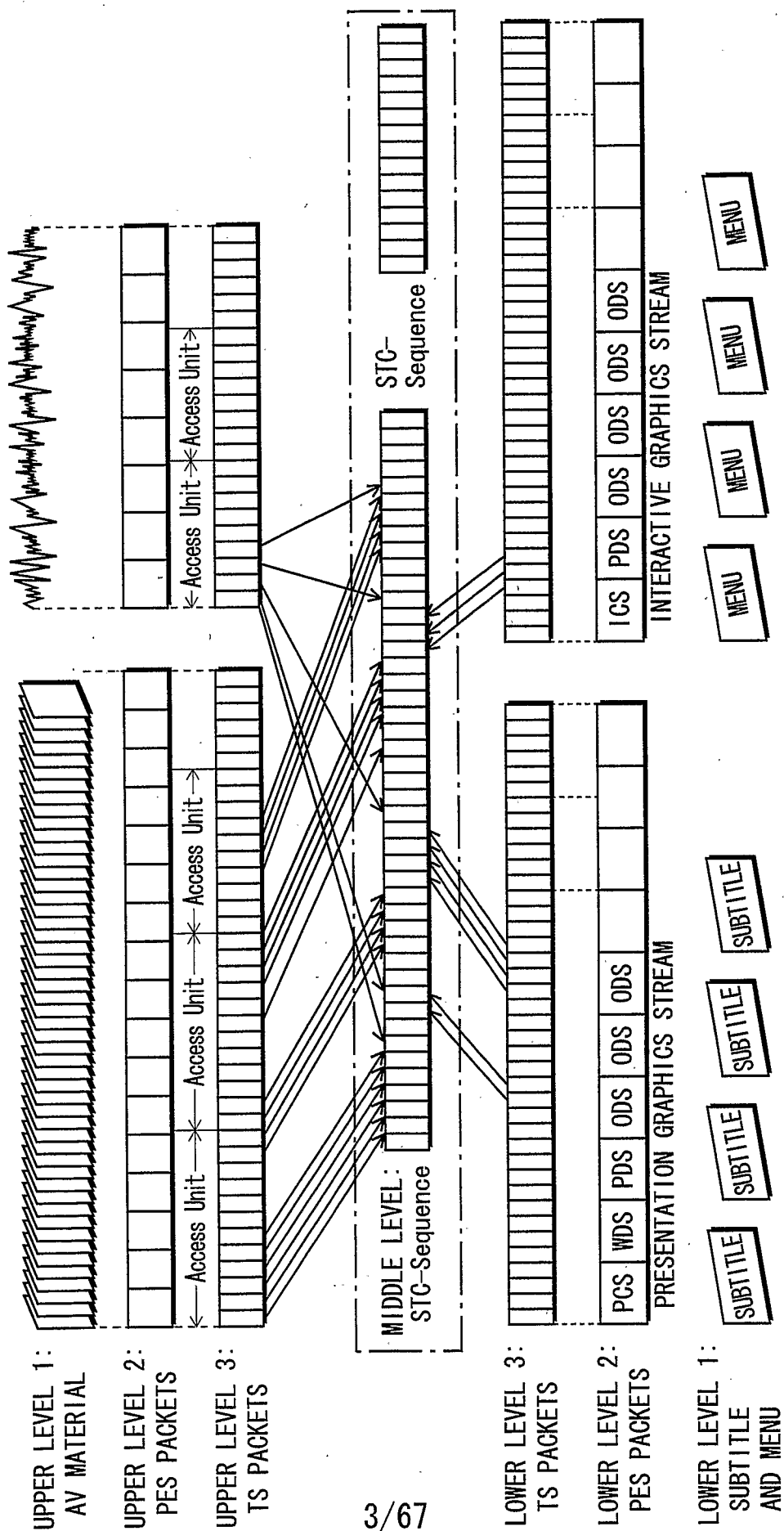


FIG. 4

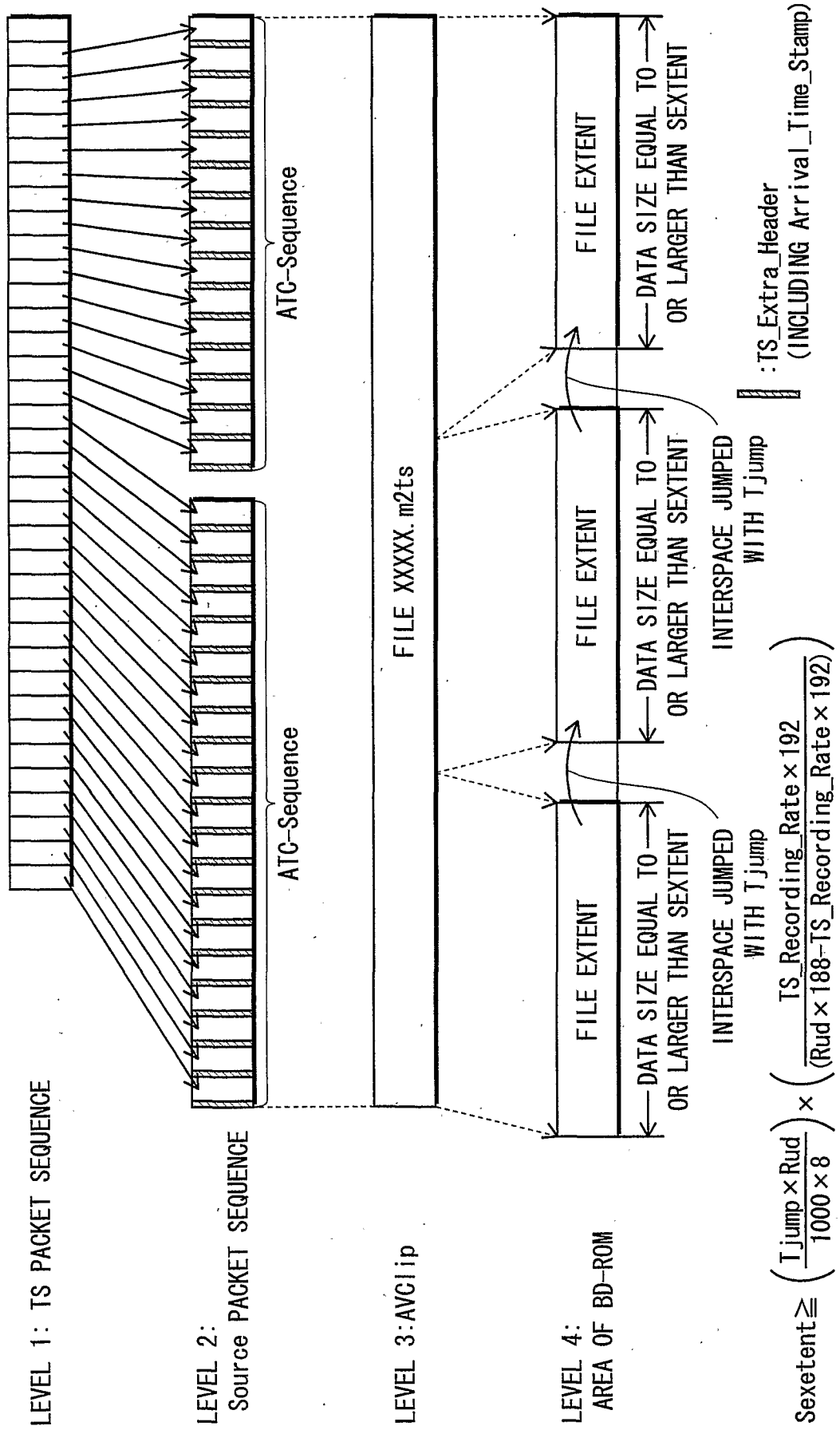
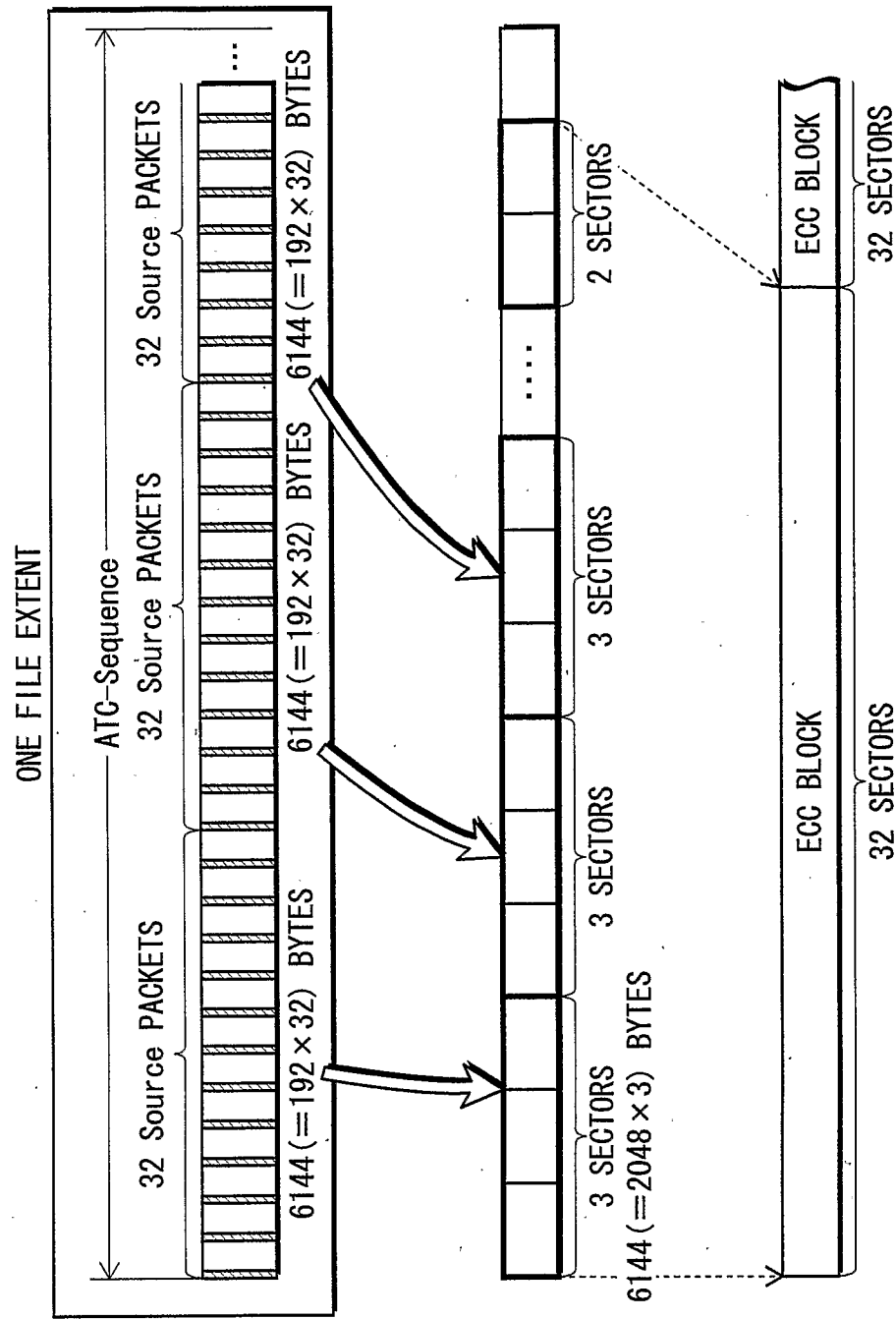


FIG. 5



LEVEL 1:
Aligned Unit
CONSTITUTING FILE EXTENT

LEVEL 2:
SECTOR SEQUENCE ON BD-ROM

LEVEL 3: ECC BLOCKS ON BD-ROM

FIG. 6

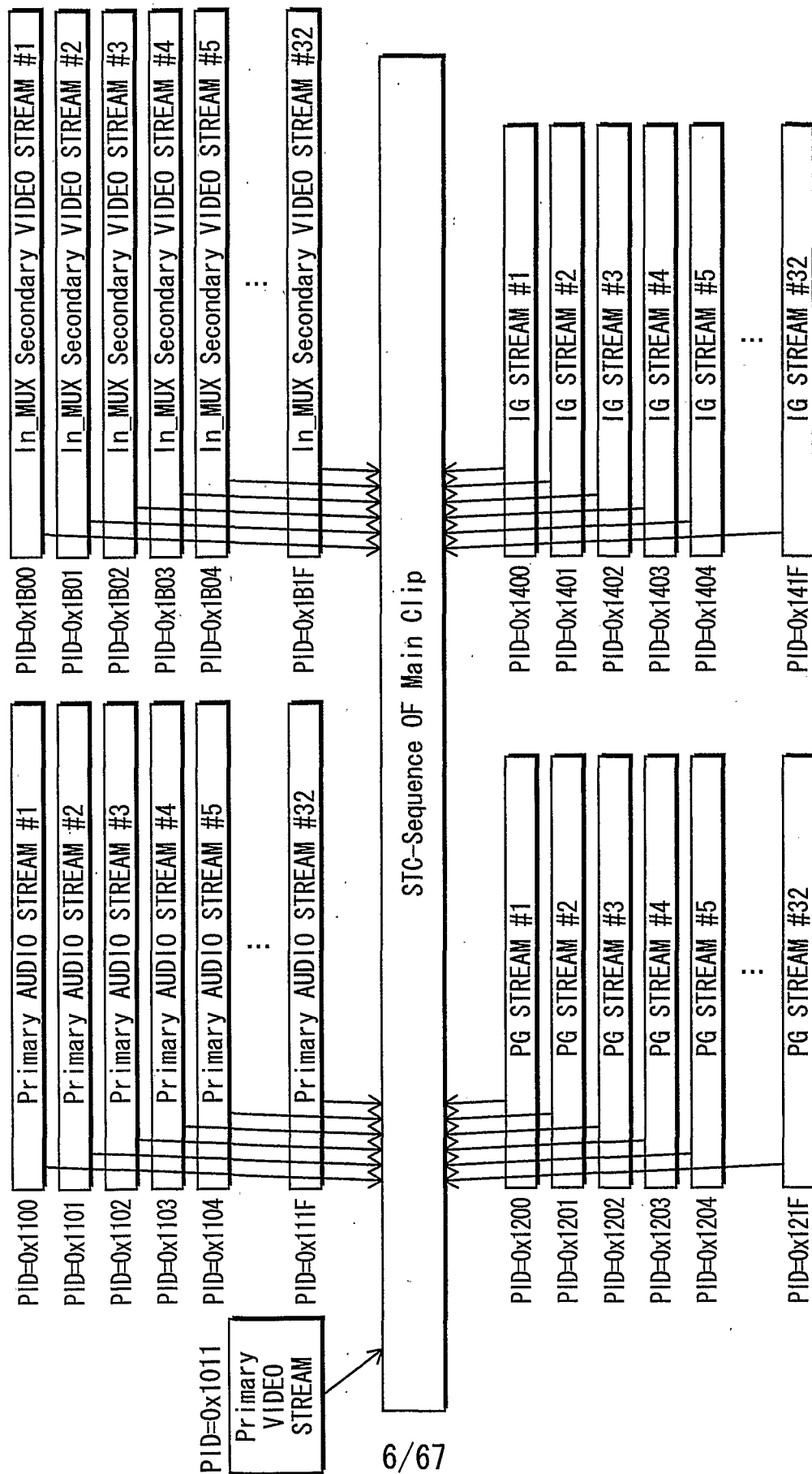


FIG. 7

RANGE OF PID	STREAM ALLOCATED FOR THE RANGE
0x0100	program_map
0x1001	PCR
0x1011	Primary VIDEO STREAM
0x1100~0x111F	Primary AUDIO STREAM
0x1200~0x121F	PG STREAM
0x1400~0x141F	IG STREAM
0x1B00~0x1B1F	In_MUX_Secondary VIDEO STREAM

FIG. 8

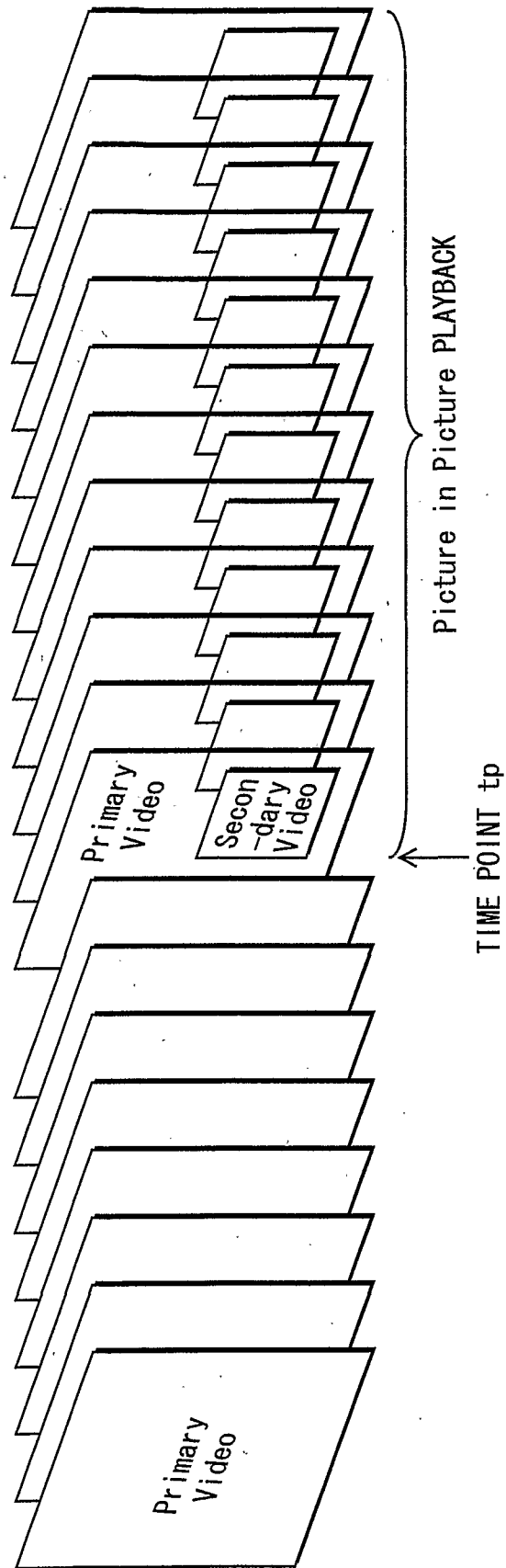


FIG. 9

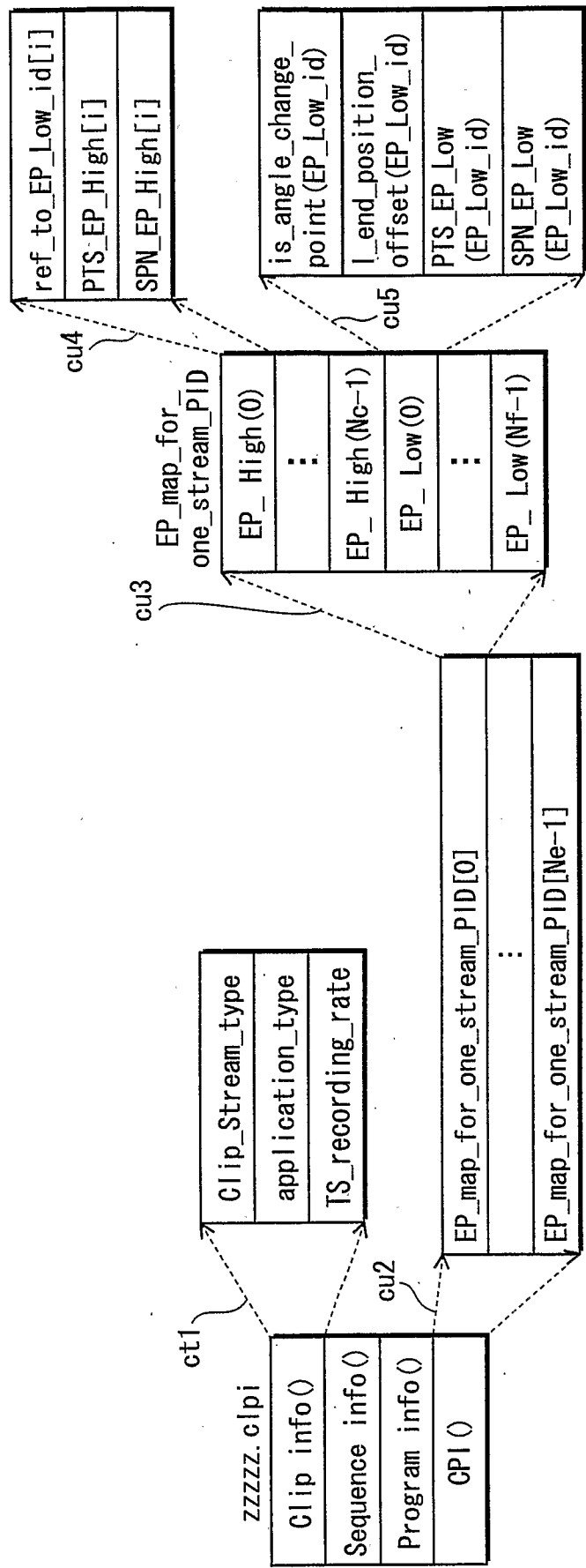


FIG. 11

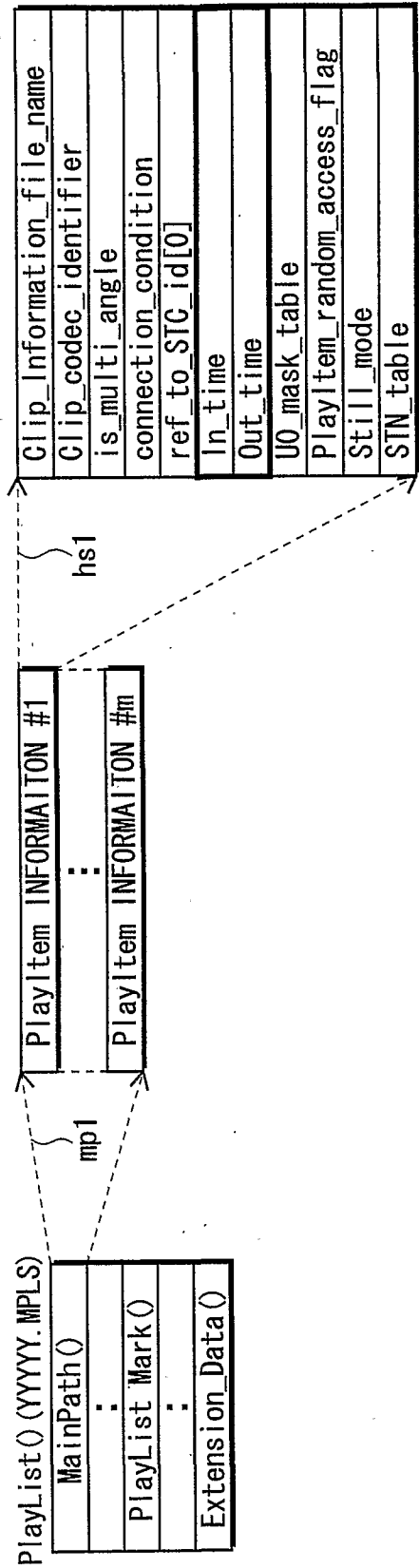


FIG. 12

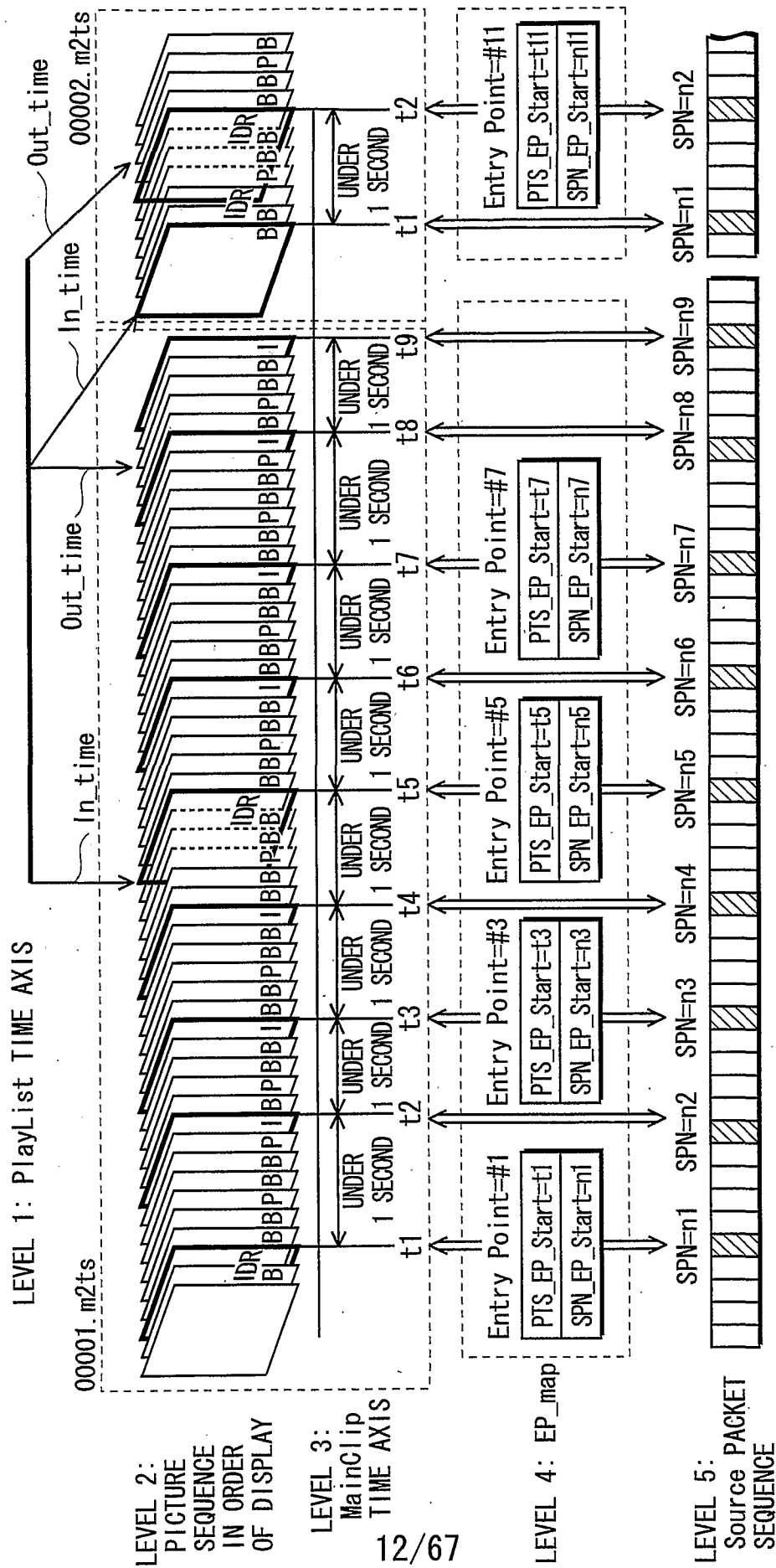


FIG. 13

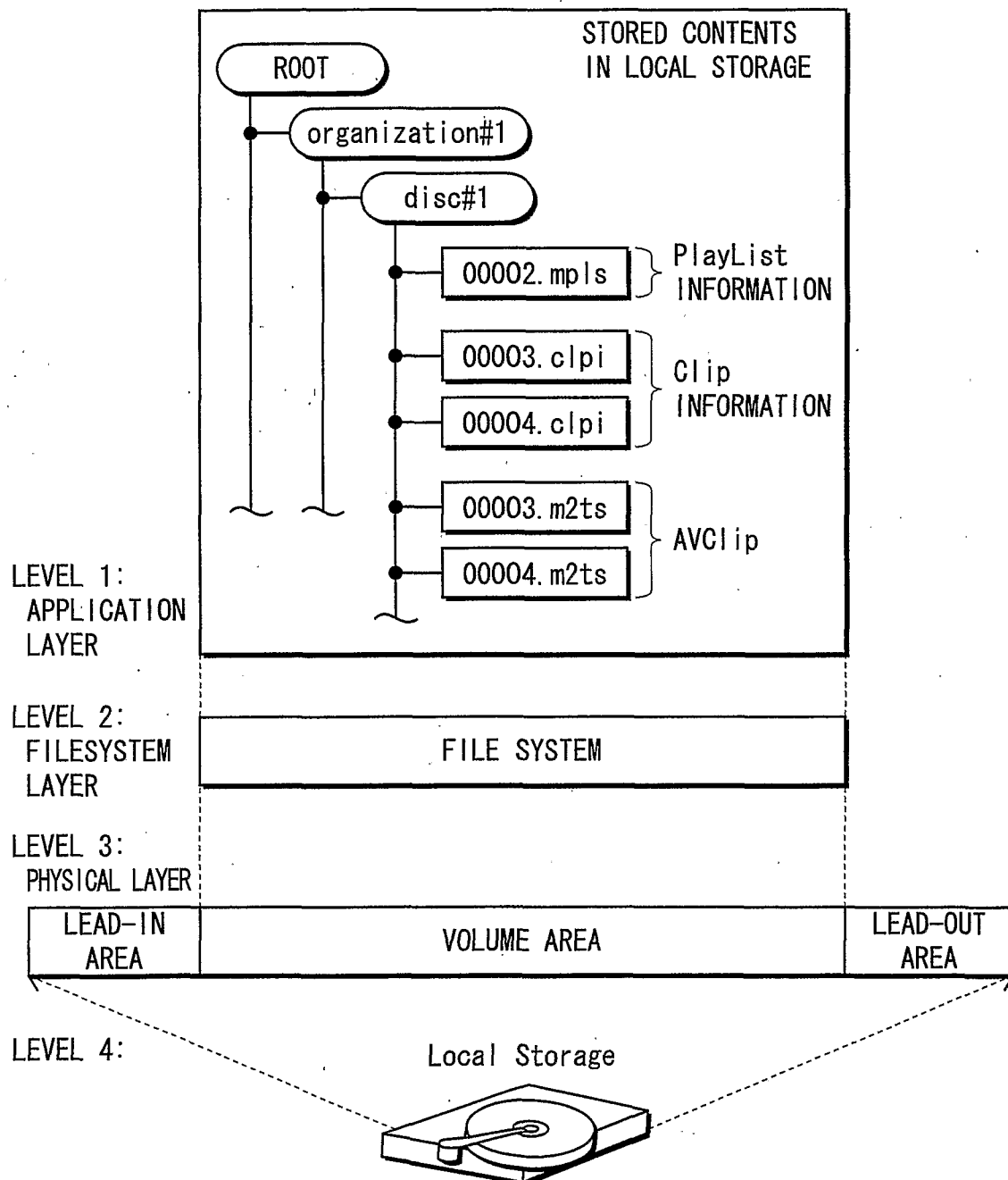


FIG. 14

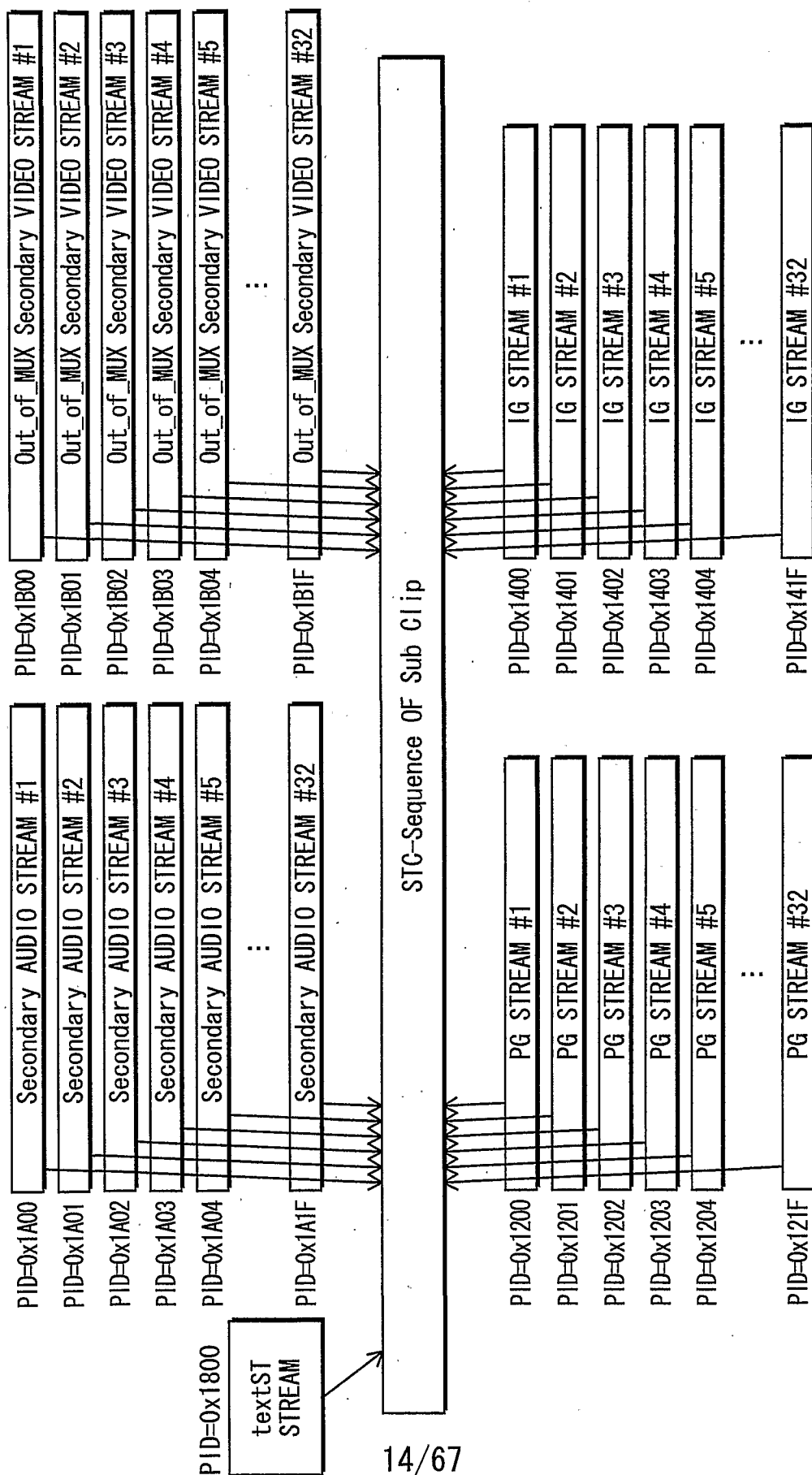


FIG. 15

RANGE OF PID	STREAM ALLOCATED FOR THE RANGE
0x0100	program_map
0x1001	PCR
0x1200~0x121F	PG STREAM
0x1400~0x141F	IG STREAM
0x1800	textST STREAM
0x1A00~0x1A1F	Secondary AUDIO STREAM
0x1B00~0x1B1F	Secondary VIDEO STREAM

FIG. 16

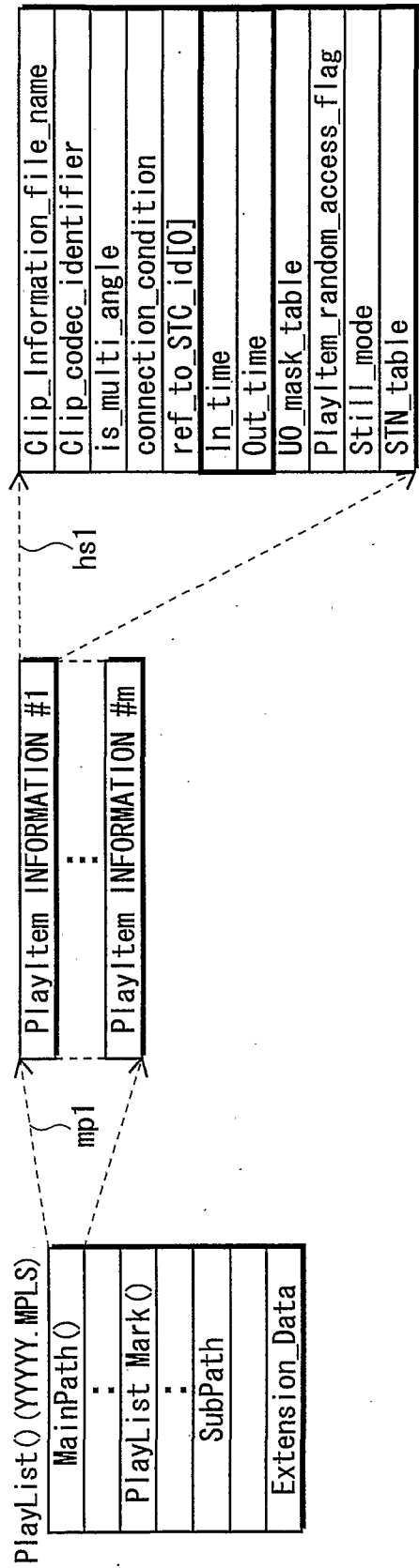


FIG. 17

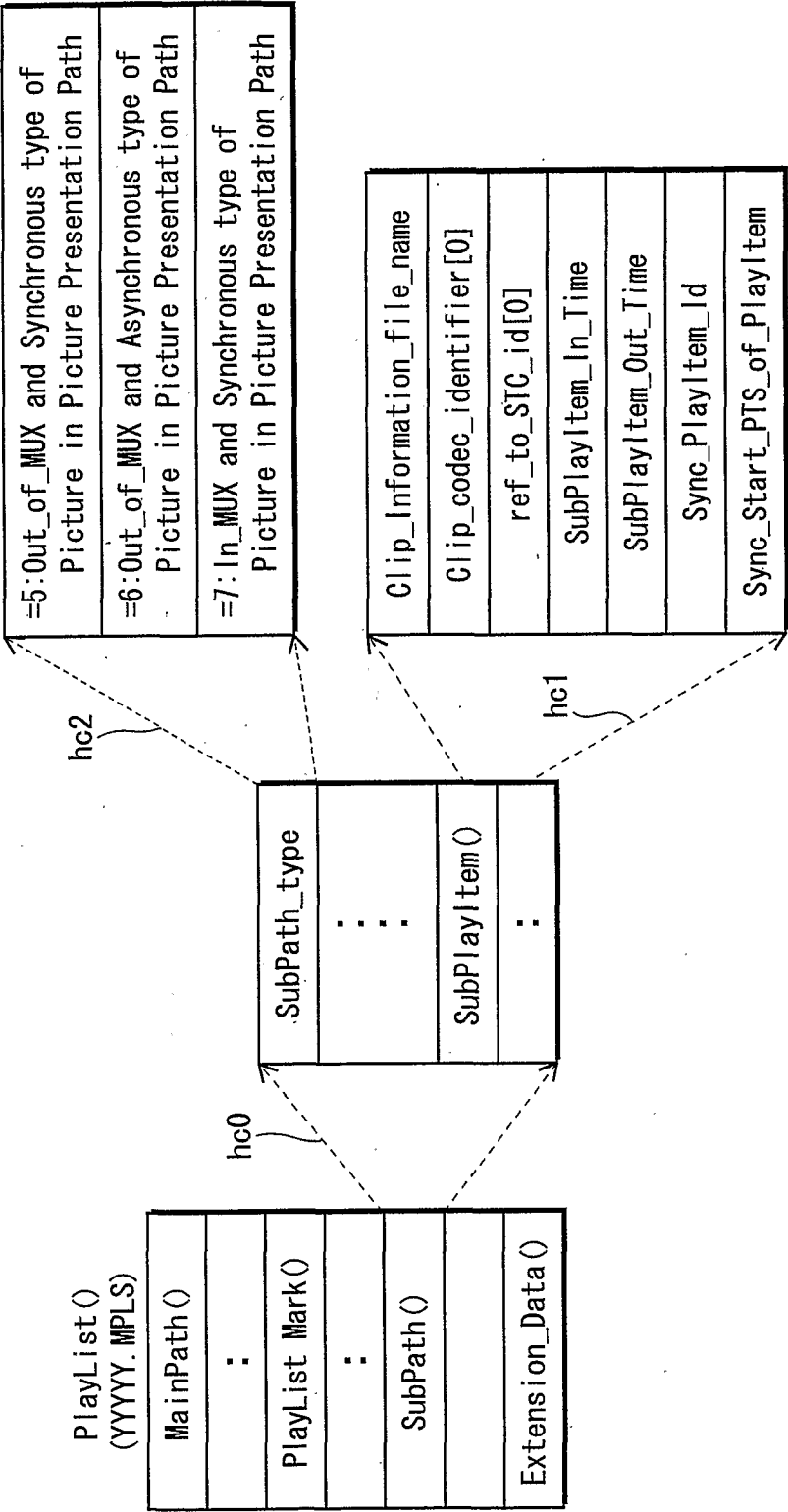
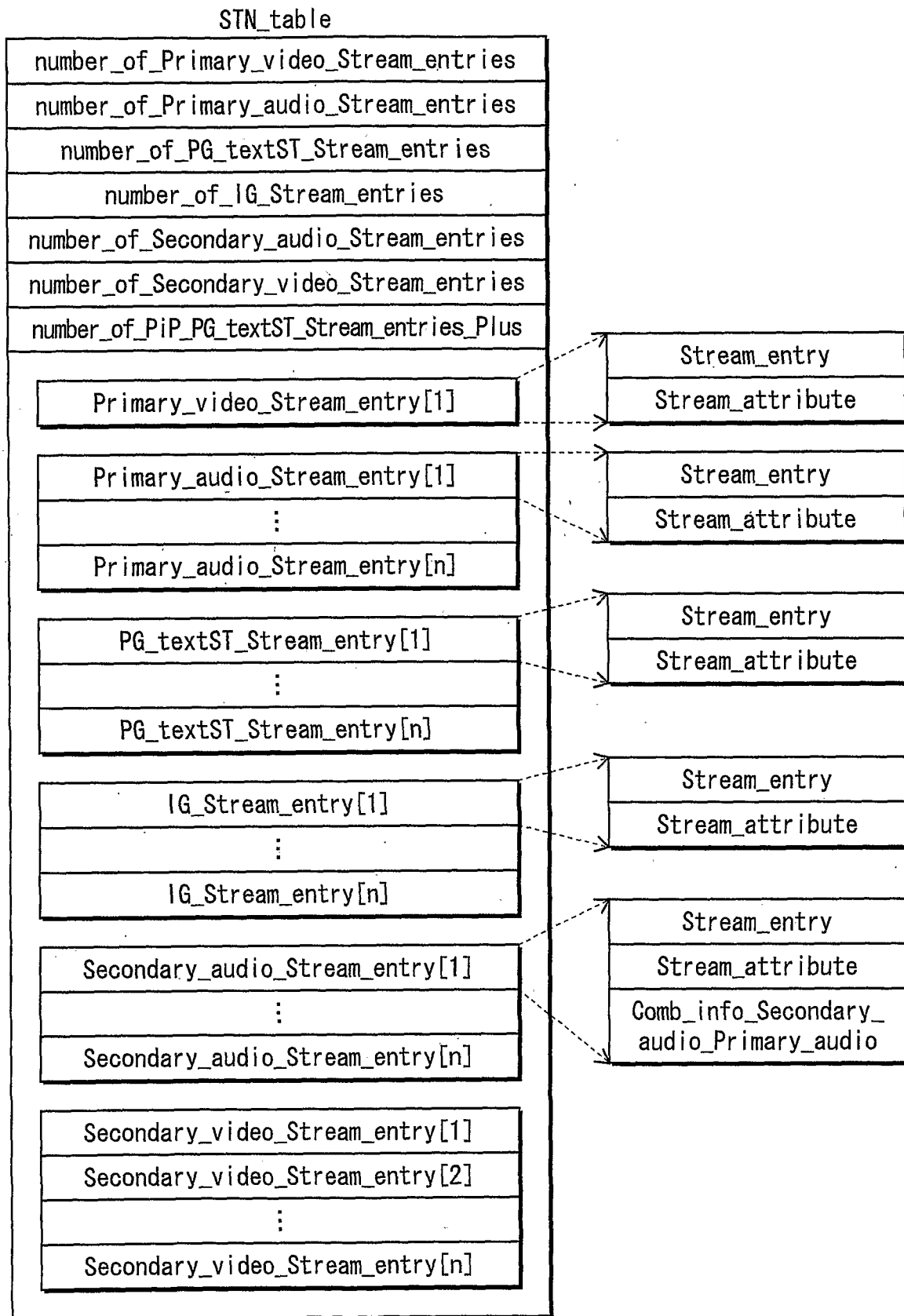


FIG. 19



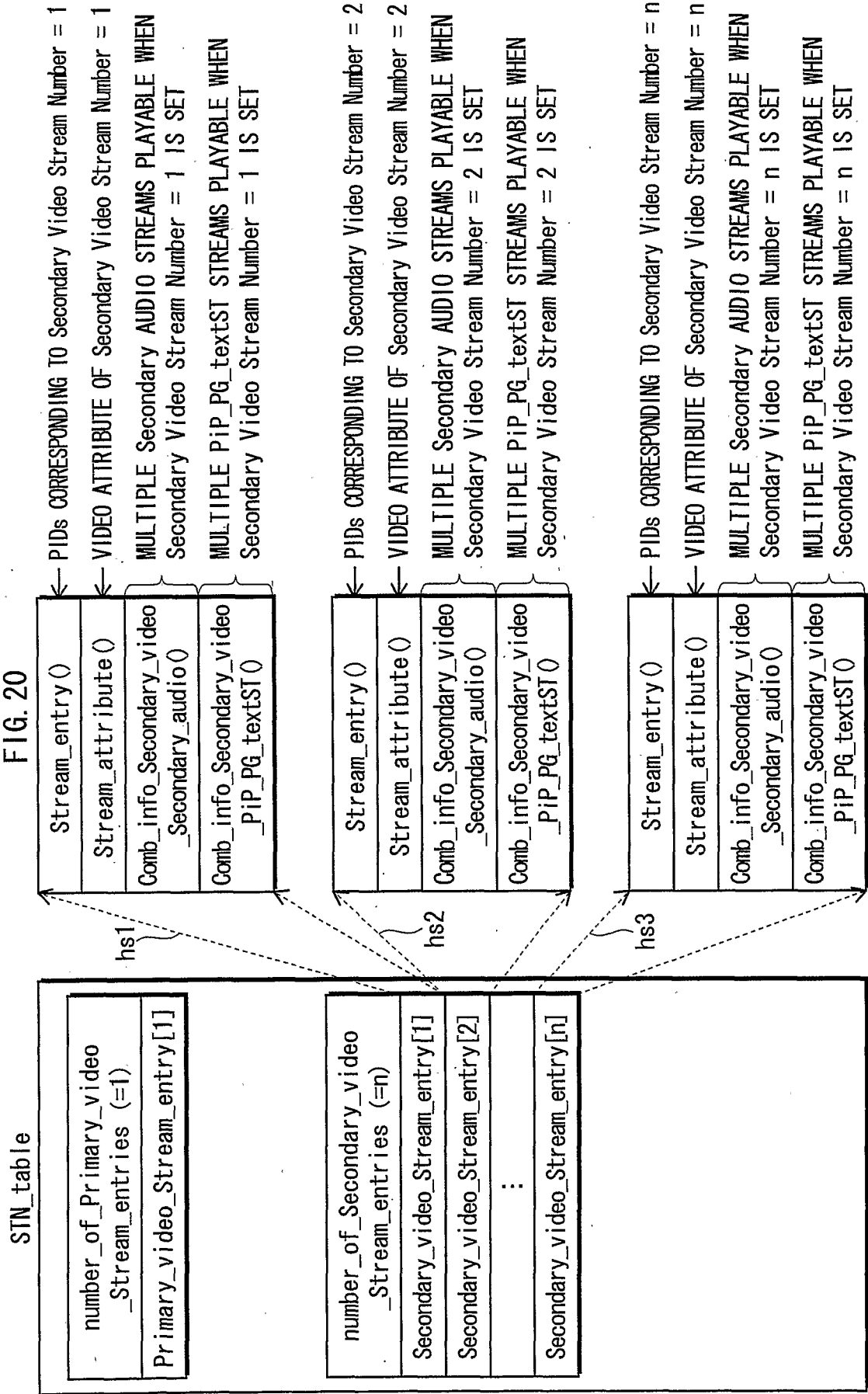


FIG. 21A

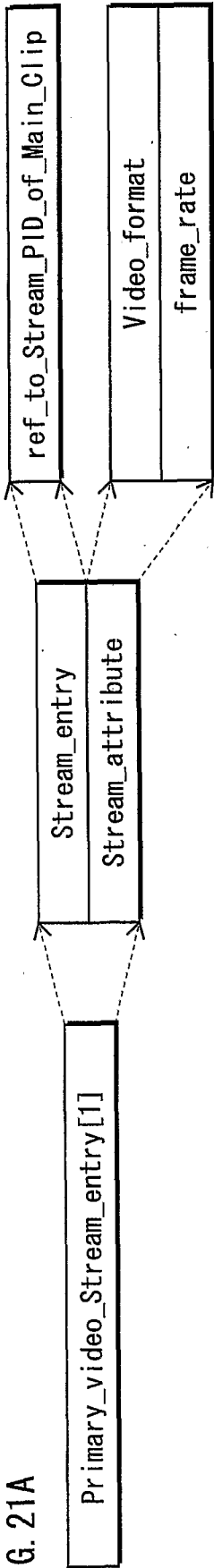
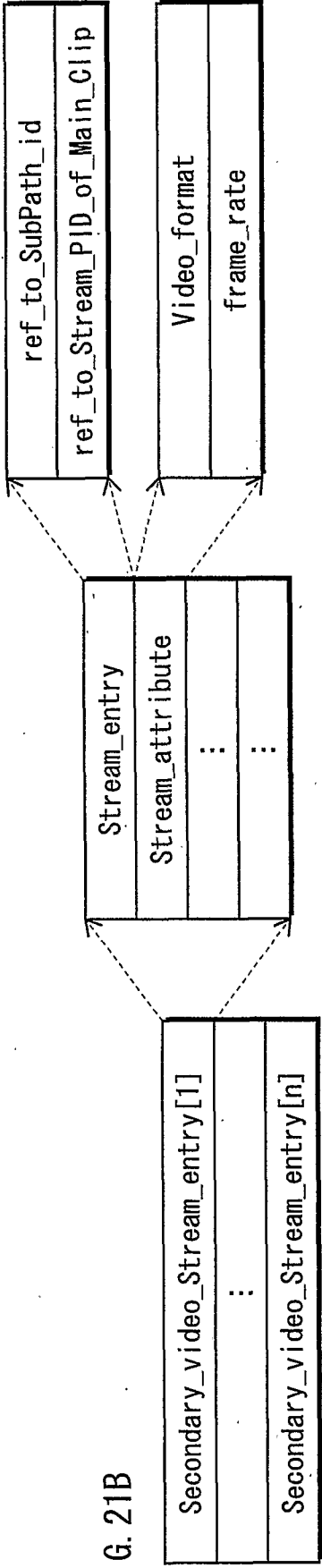


FIG. 21B



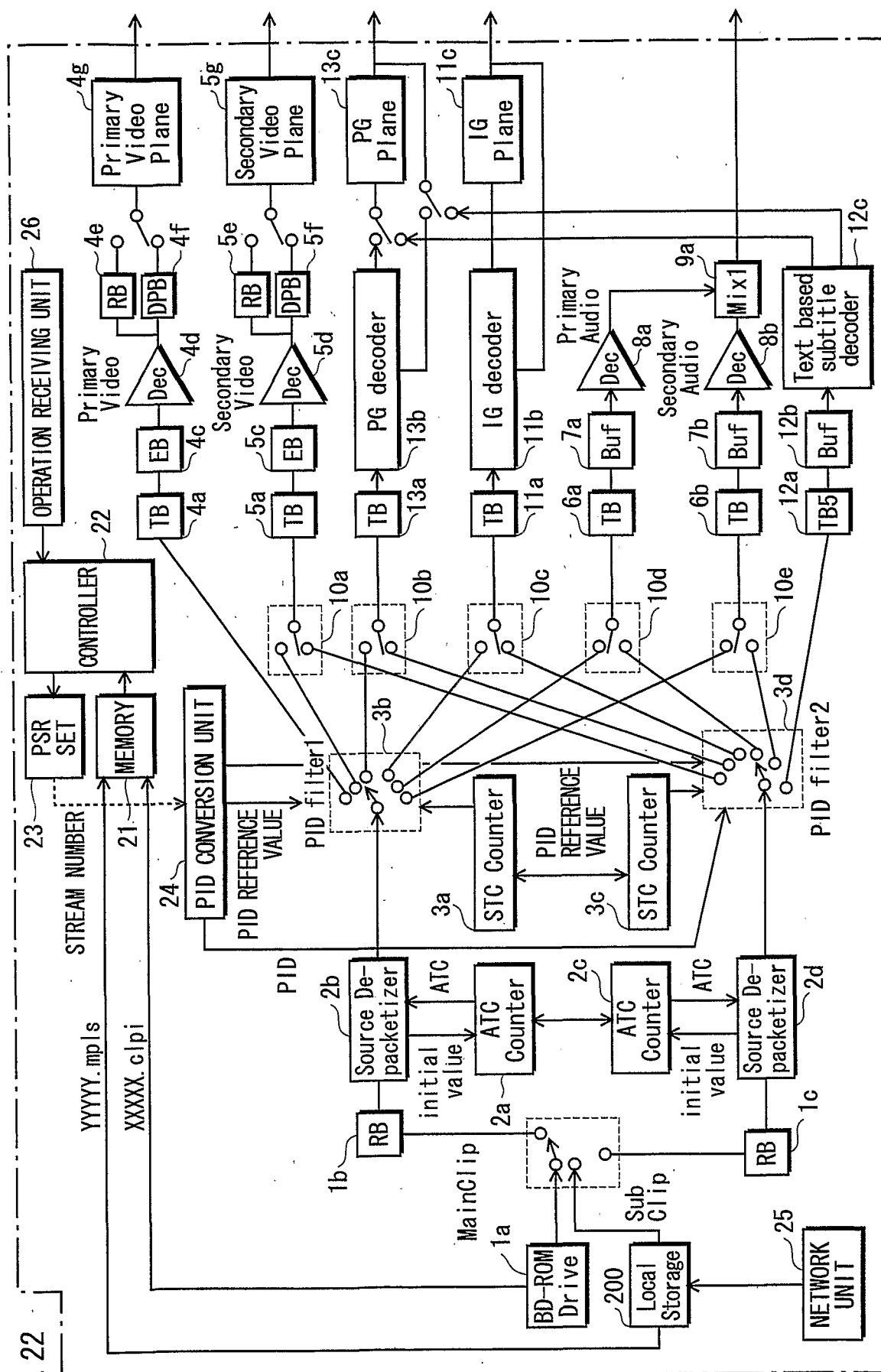
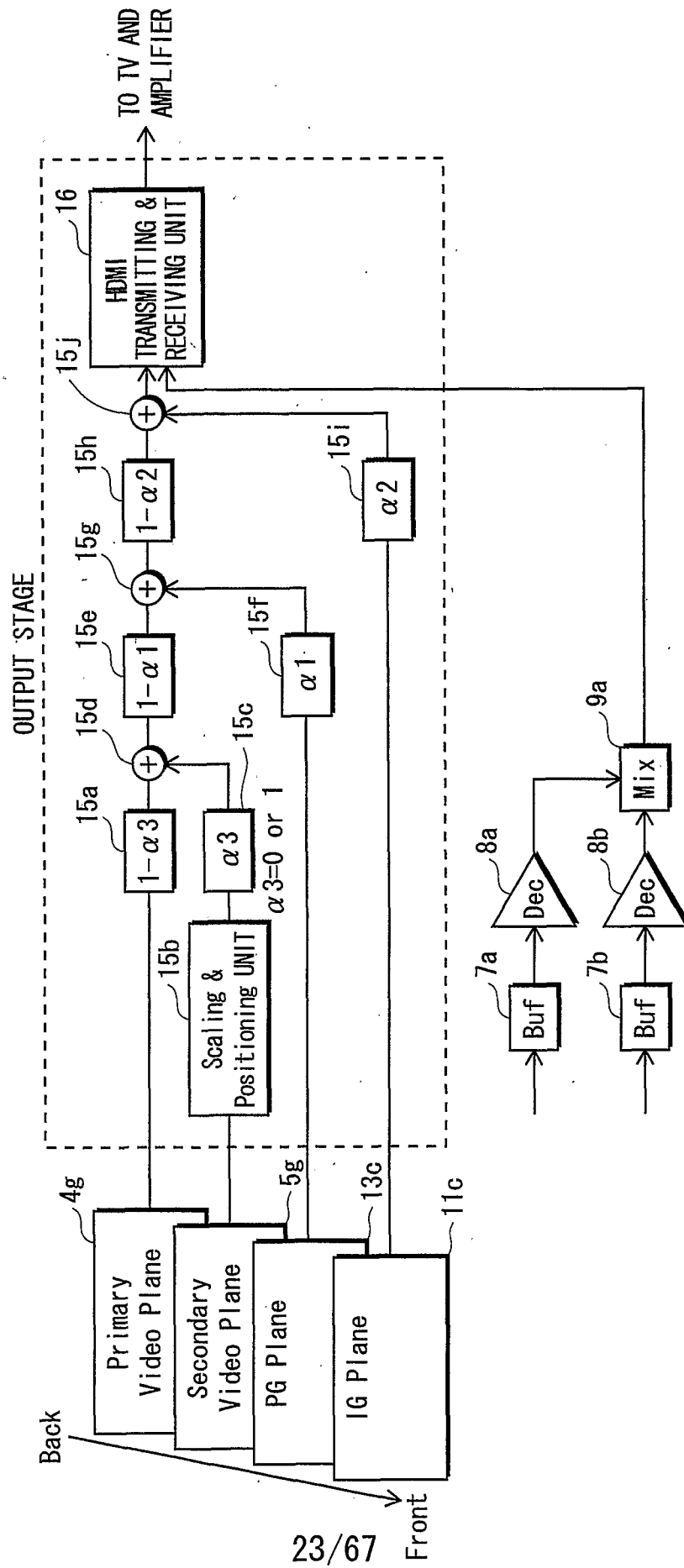


FIG. 22

FIG. 23



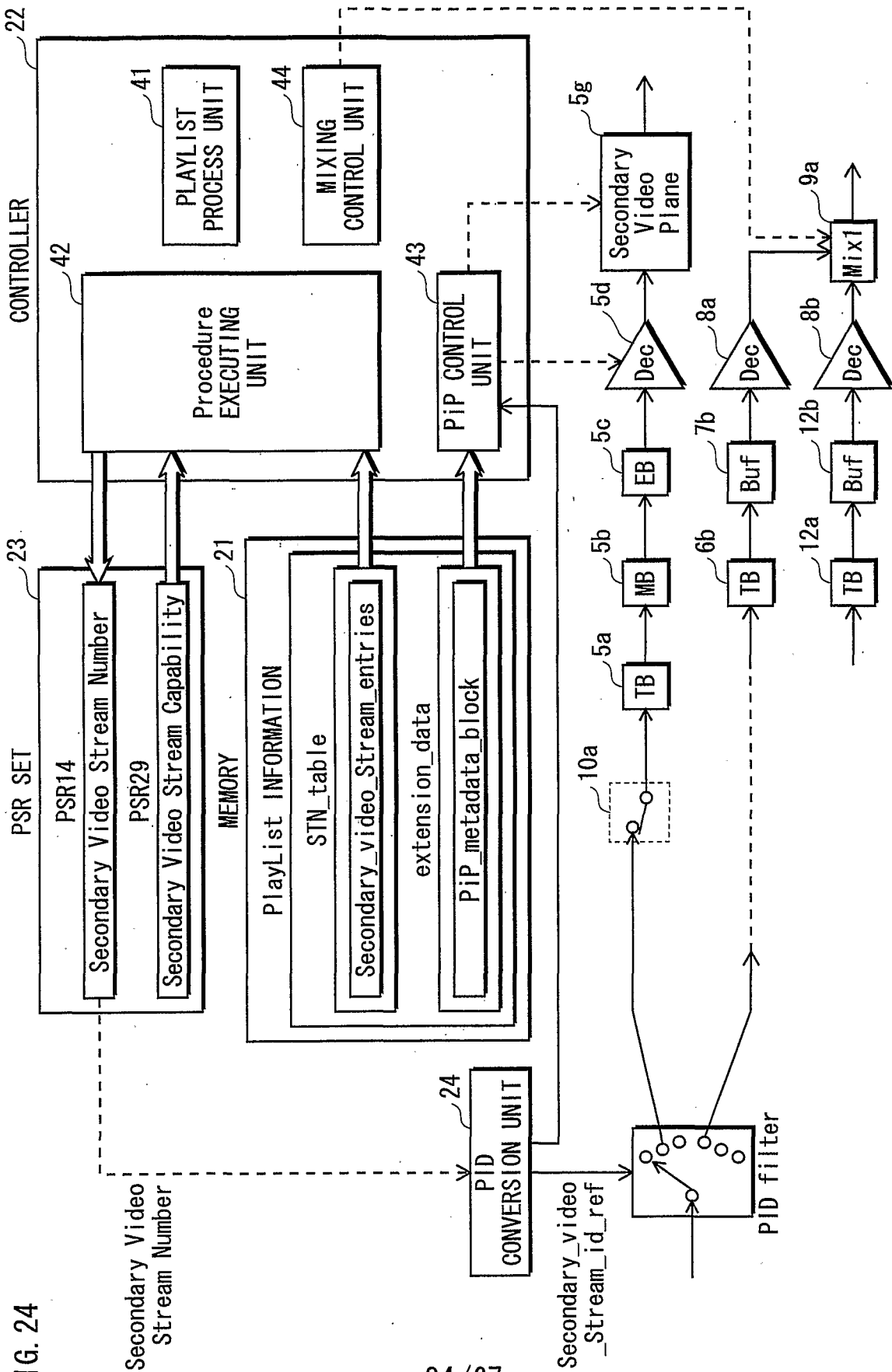


FIG. 24

FIG. 25A

PSR14:Secondary Video Stream Number

b31	b30	b29	b28	b27	b26	b25	b24
disp_V _flag							
b23	b22	b21	b20	b19	b18	b17	b16
reserved							
b15	b14	b13	b12	b11	b10	b9	b8
Secondary video stream number							
b7	b6	b5	b4	b3	b2	b1	b0

disp_V_flag ... 0b:Presentation of Secondary video is disable
 1b:Presentation of Secondary video is enable

Secondary video stream

number ... 0:Reserved
 1 to 32:Secondary video stream number
 0xFF:Secondary video stream is not selected
 or no Secondary video stream
 Others:reserved

FIG. 25B

PSR29:Player Capability for Video

The PSR29 register represents the Video capability of the Player. Navigation commands and BD-J application cannot directly change the value contained in PSR29.

b31	b30	b29	b28	b27	b26	b25	b24
reserved							
b23	b22	b21	b20	b19	b18	b17	b16
reserved							
b15	b14	b13	b12	b11	b10	b9	b8
reserved							
b7	b6	b5	b4	b3	b2	b1	b0
reserved						50&25Hz Video Capabili -ty	HD Secondary Video Capabili -ty

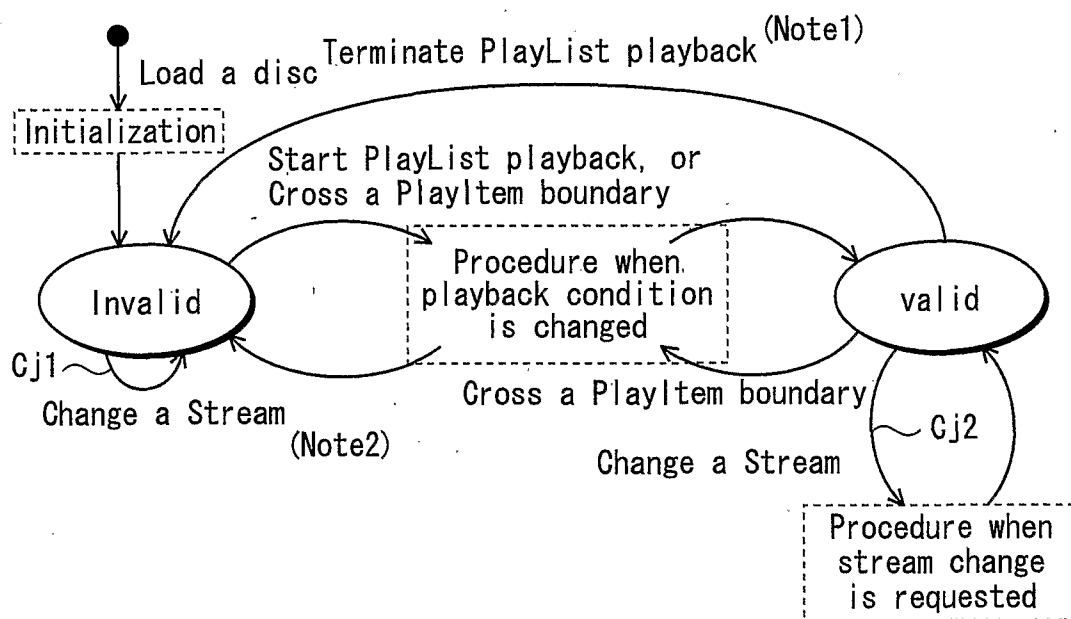
HD Secondary Video

Capability ... 0b:HD Secondary Video incapable
 1b:HD Secondary Video capable

50&25Hz Video

Capability ... 0b:50Hz and 25Hz Video incapable
 1b:50Hz and 25Hz Video capable

FIG. 26



Note1: The last value of PSR is maintained when the state is changed from "Valid" to "Invalid"

Note2: The value of PSR is simply overwritten when the state is in "Invalid".

FIG. 27

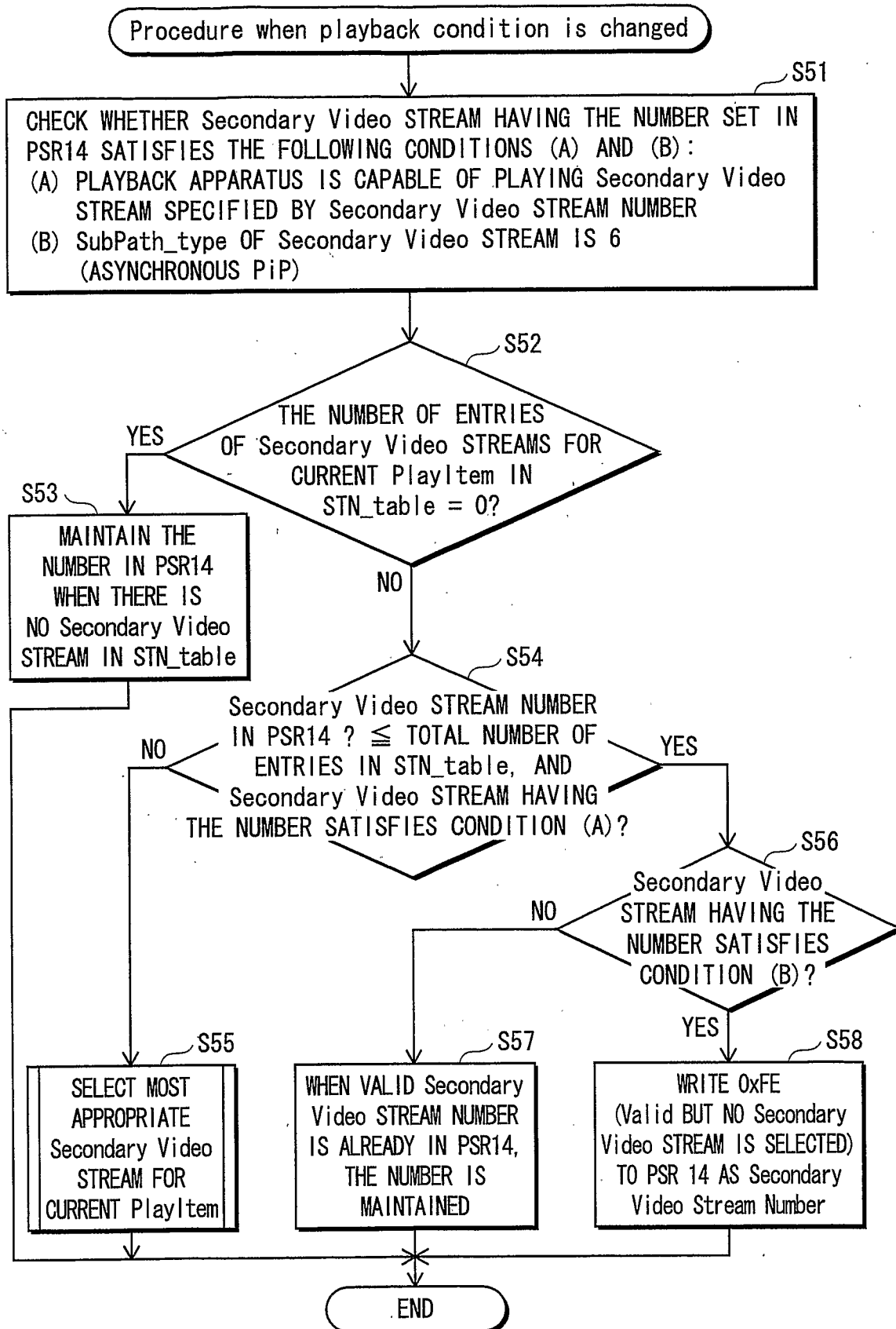


FIG. 28

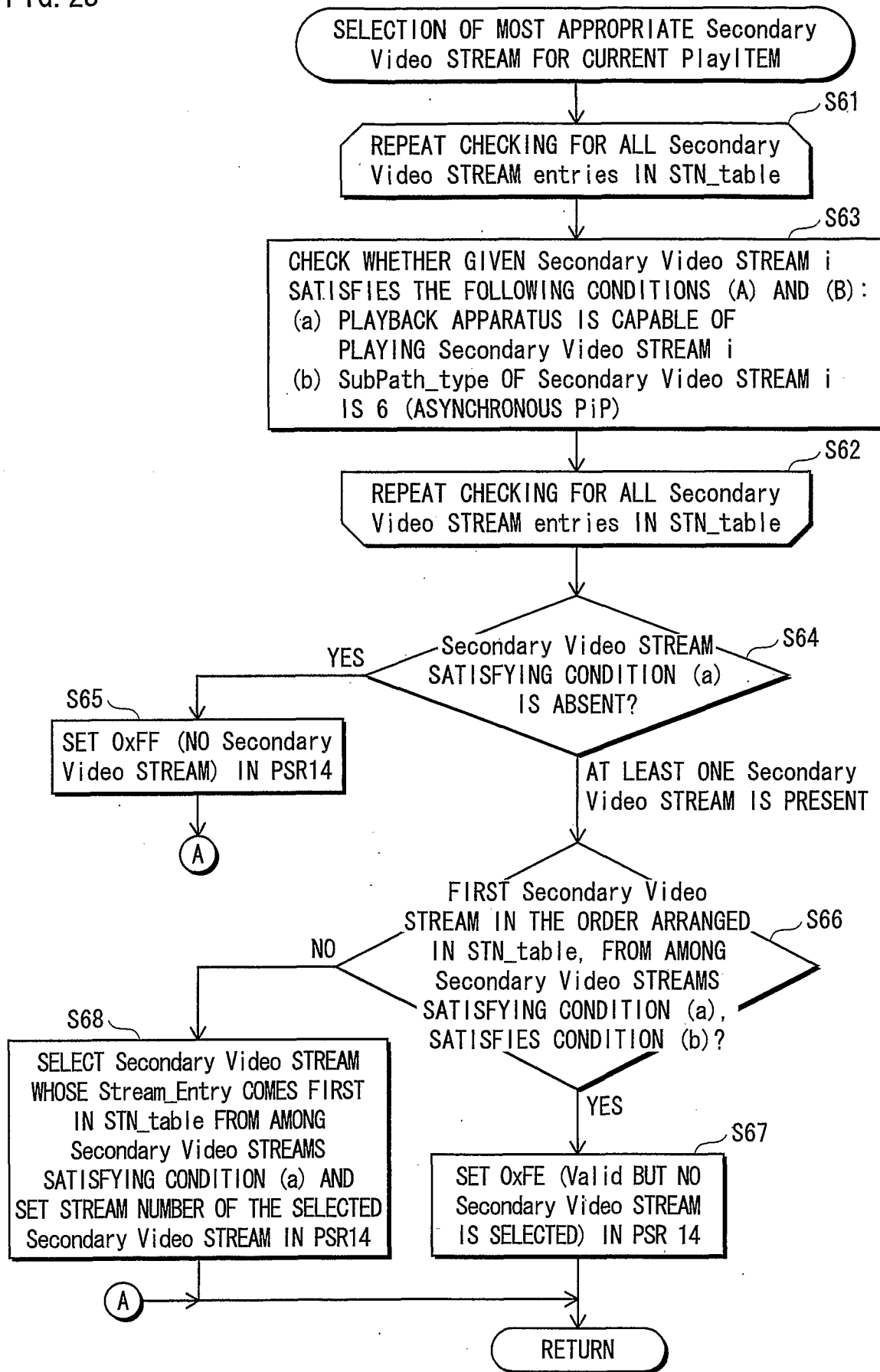


FIG. 29

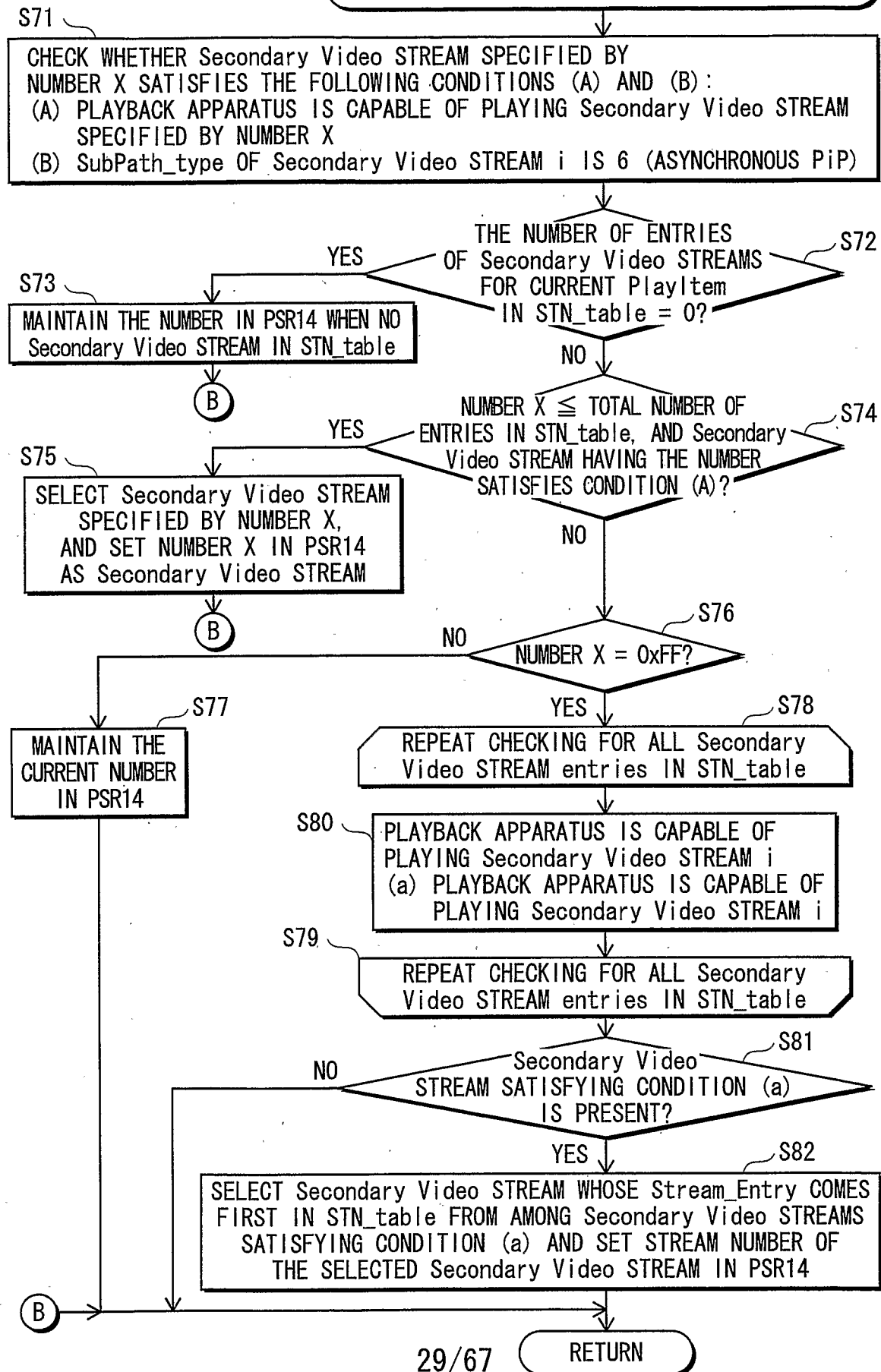


FIG. 30

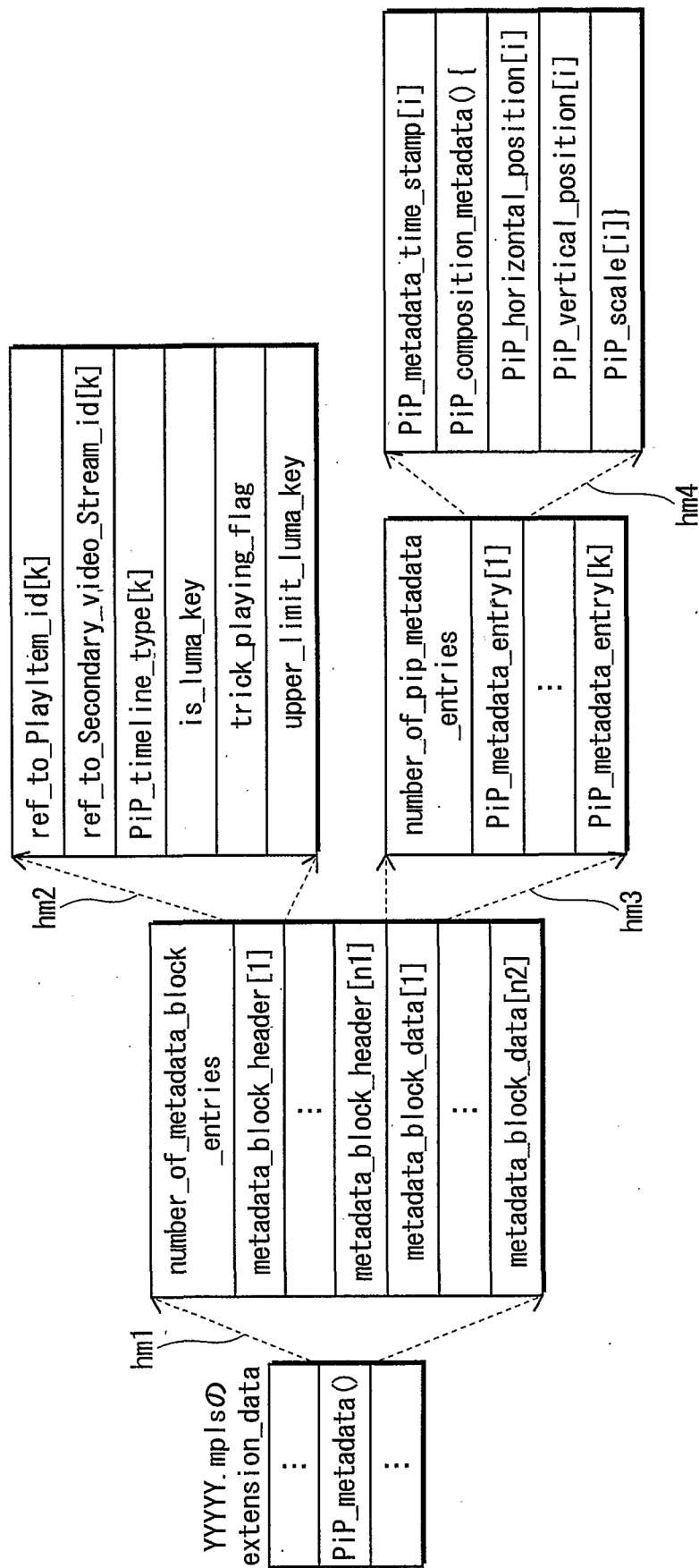
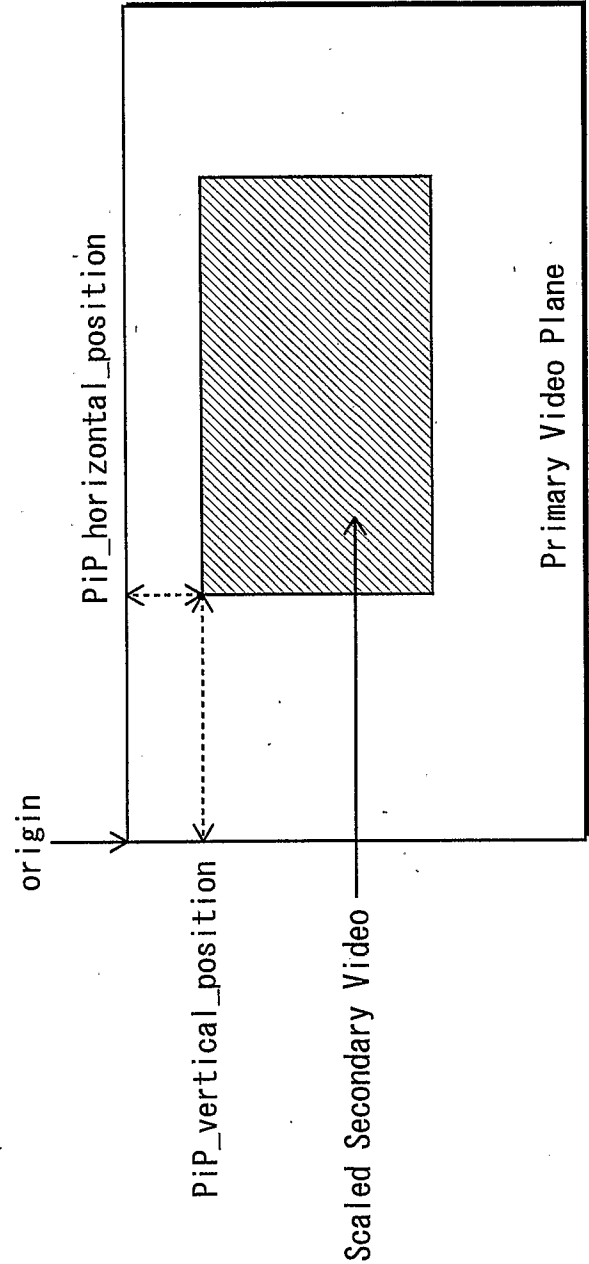


FIG. 31



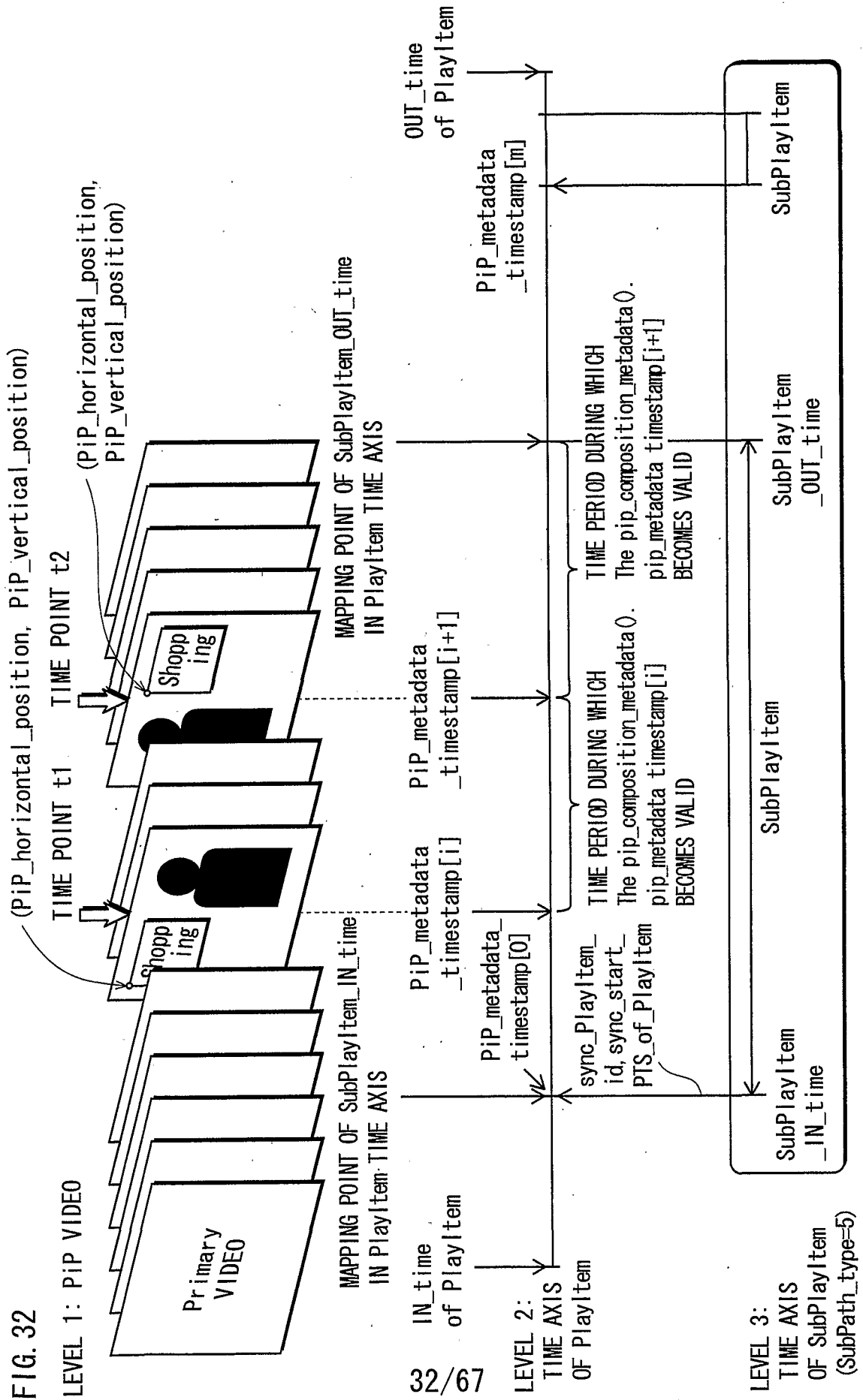
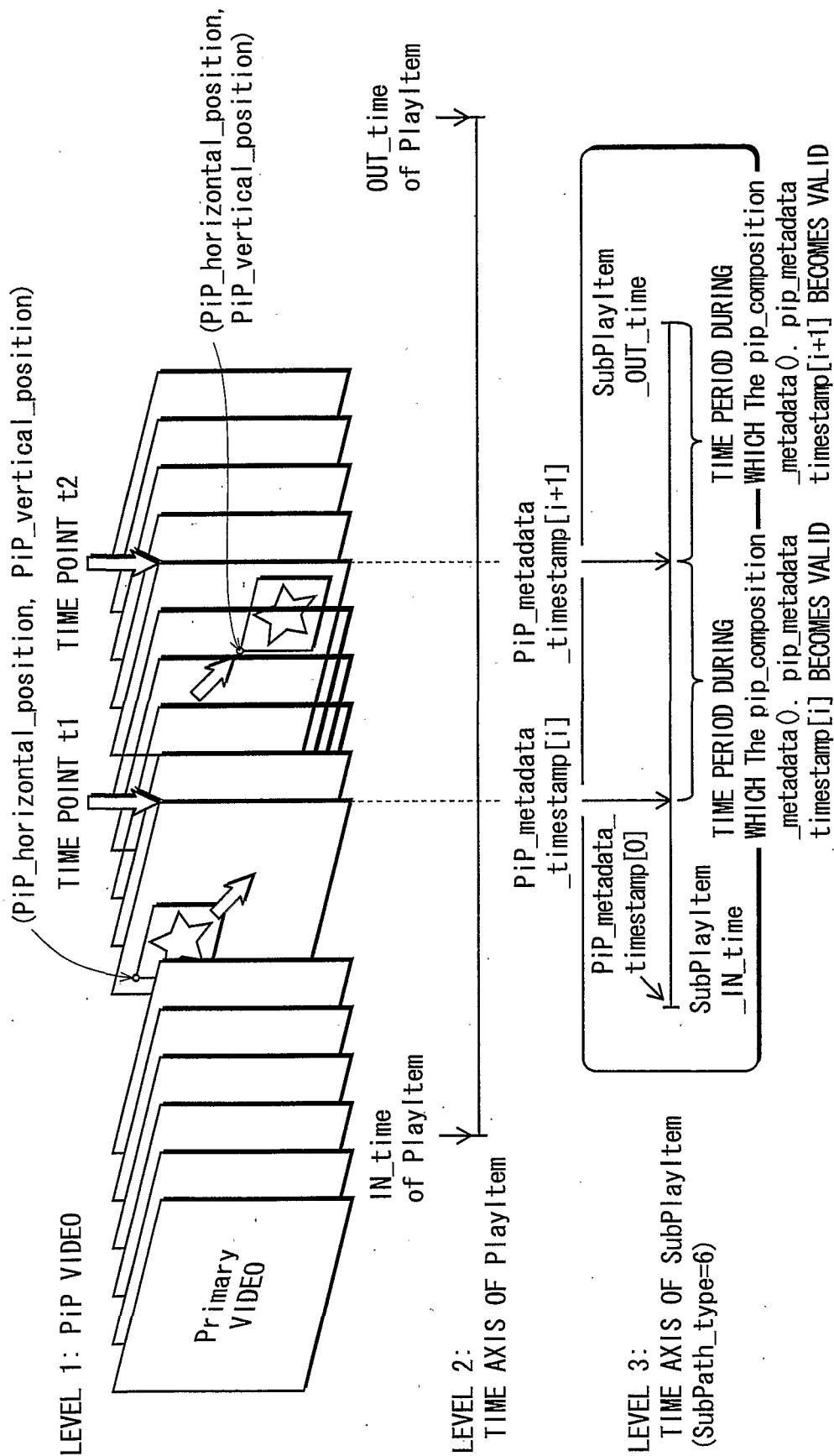


FIG. 33



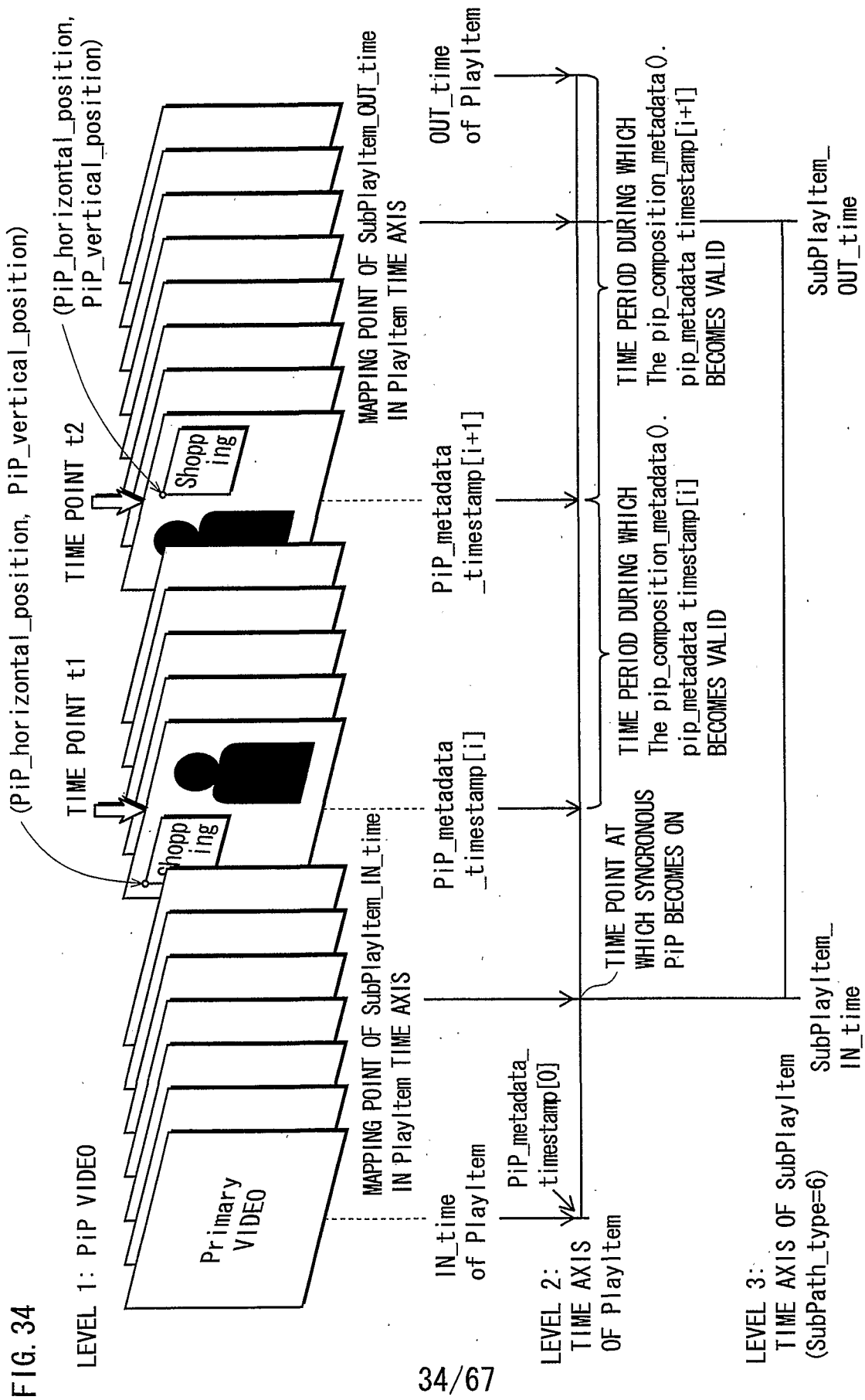


FIG. 35

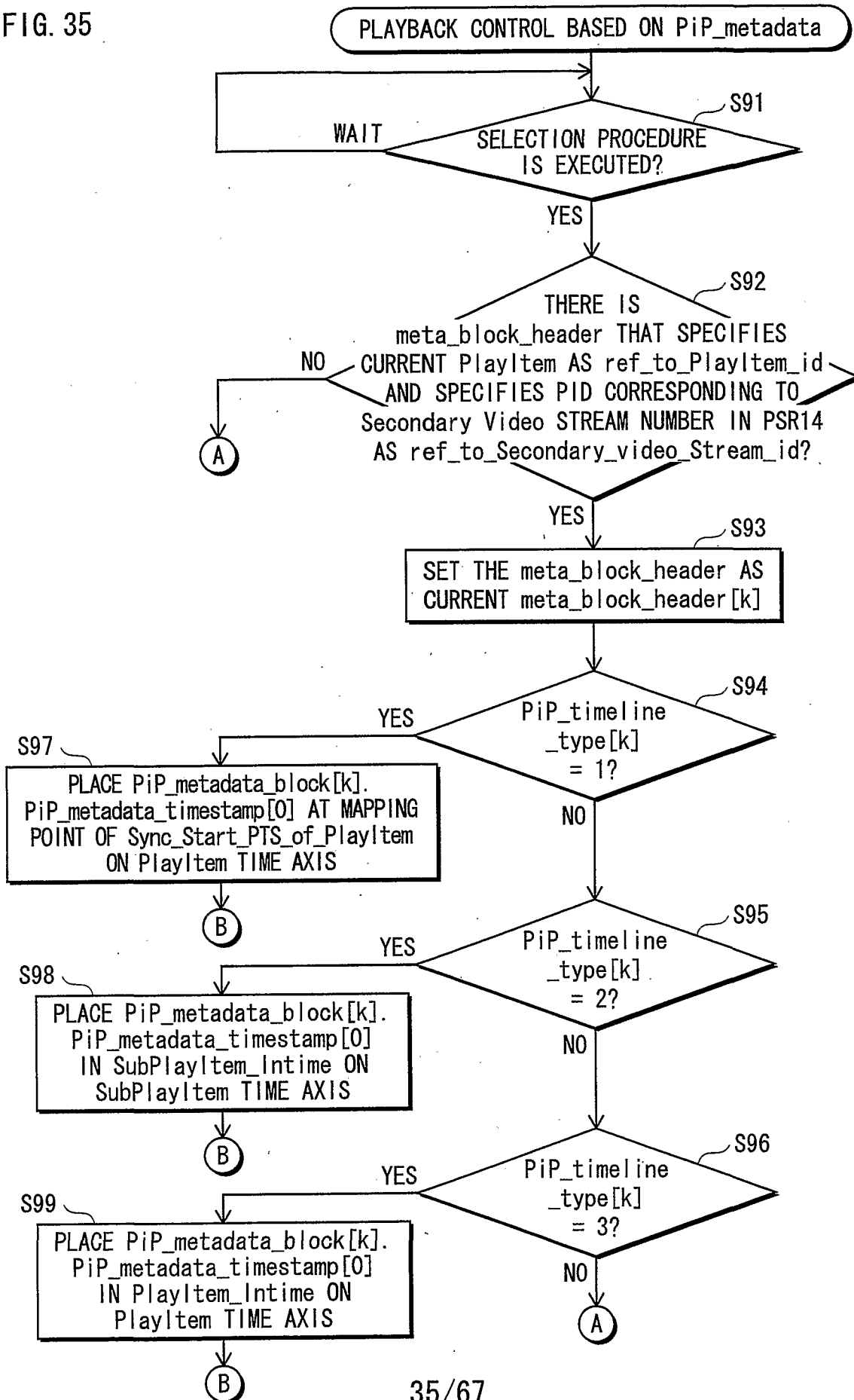


FIG. 36

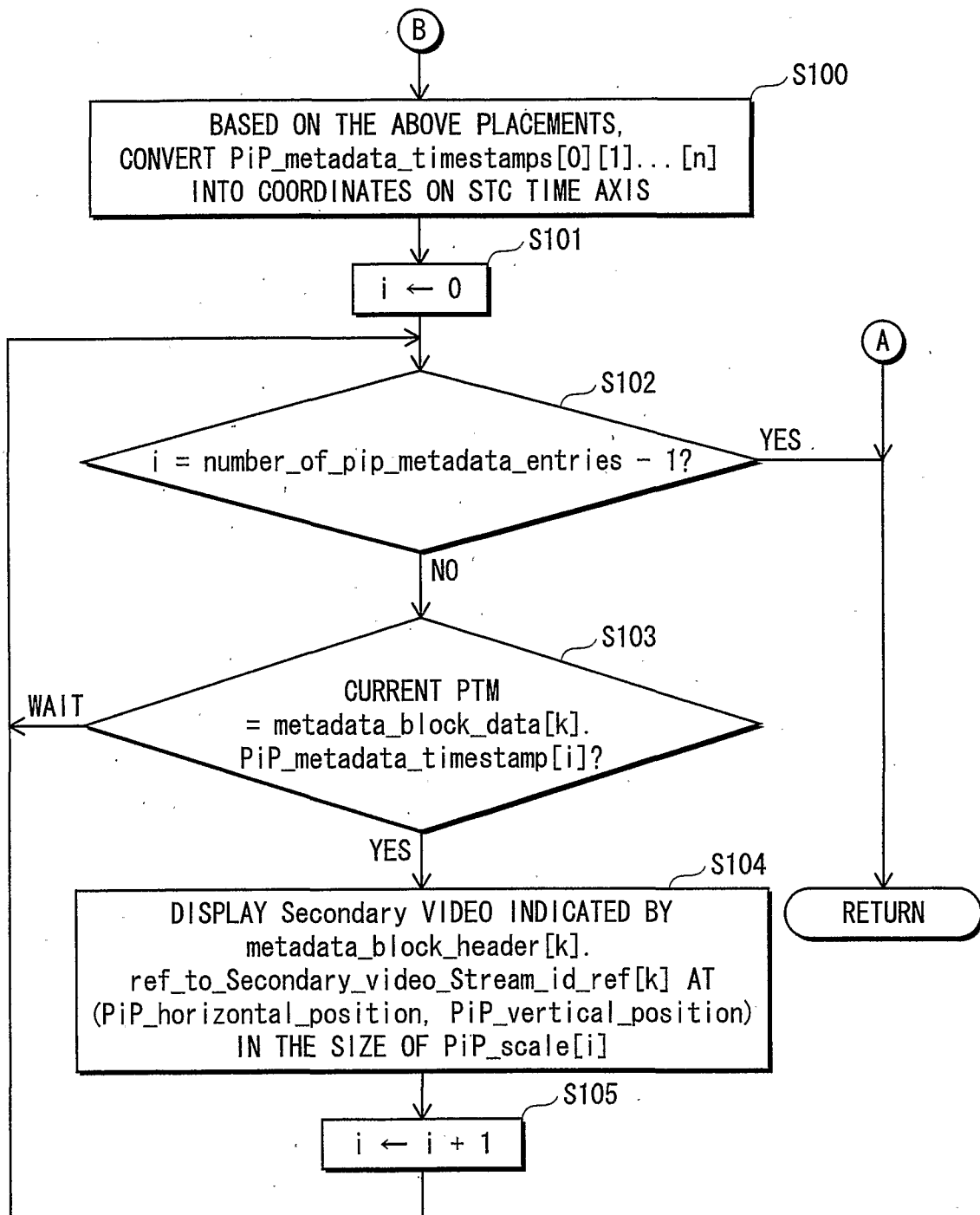


FIG. 37

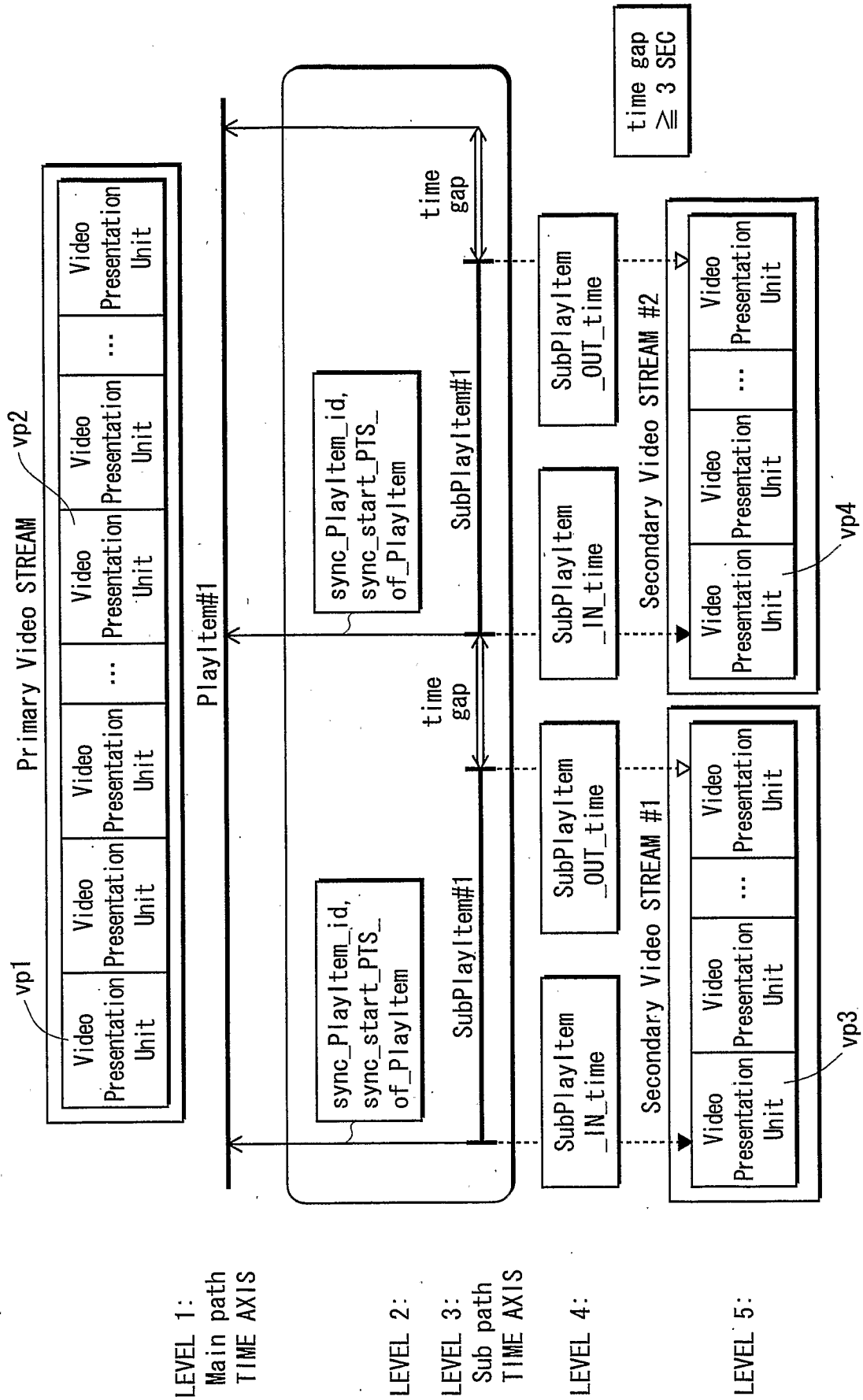


FIG. 38

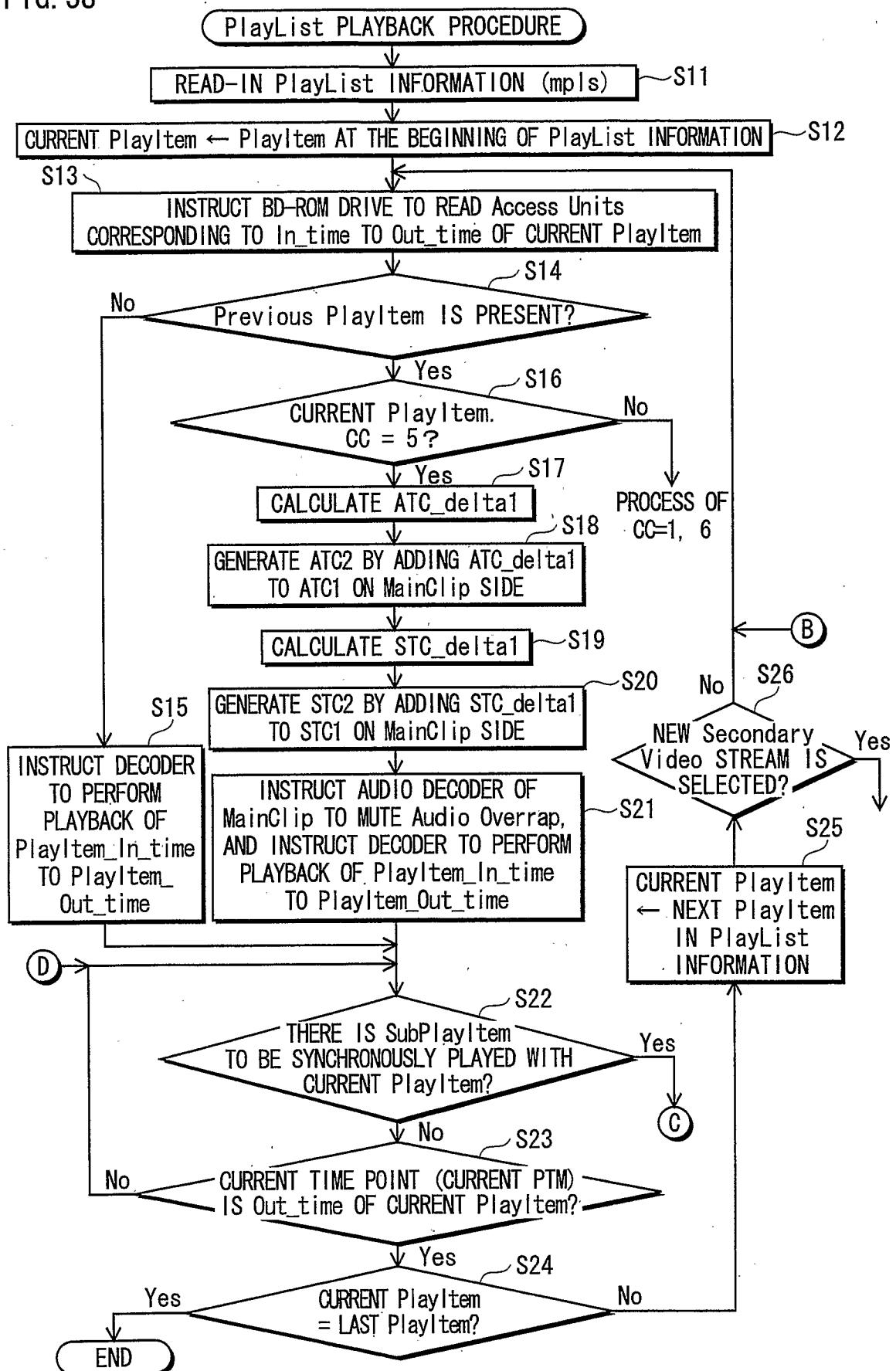


FIG. 39

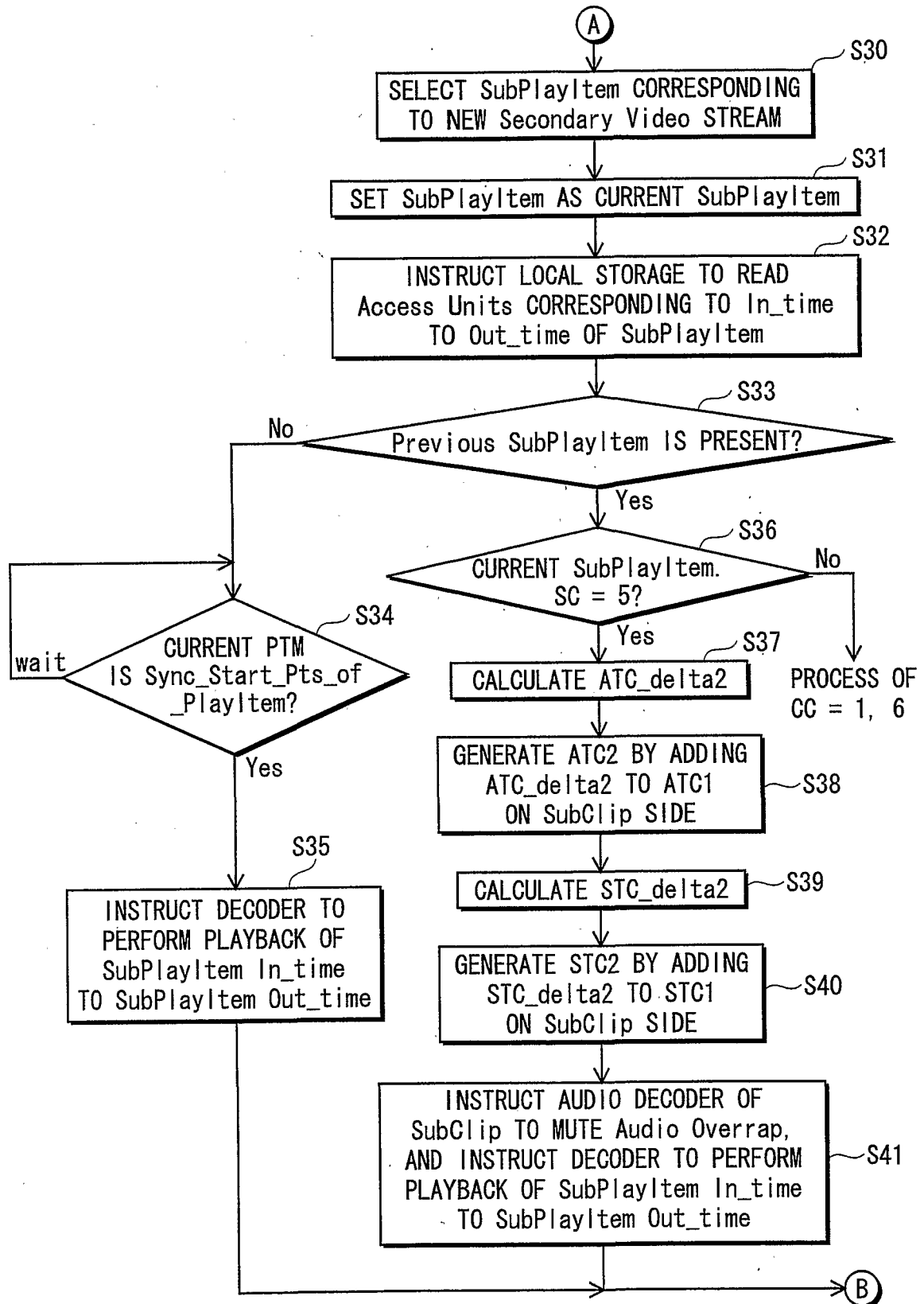


FIG. 40

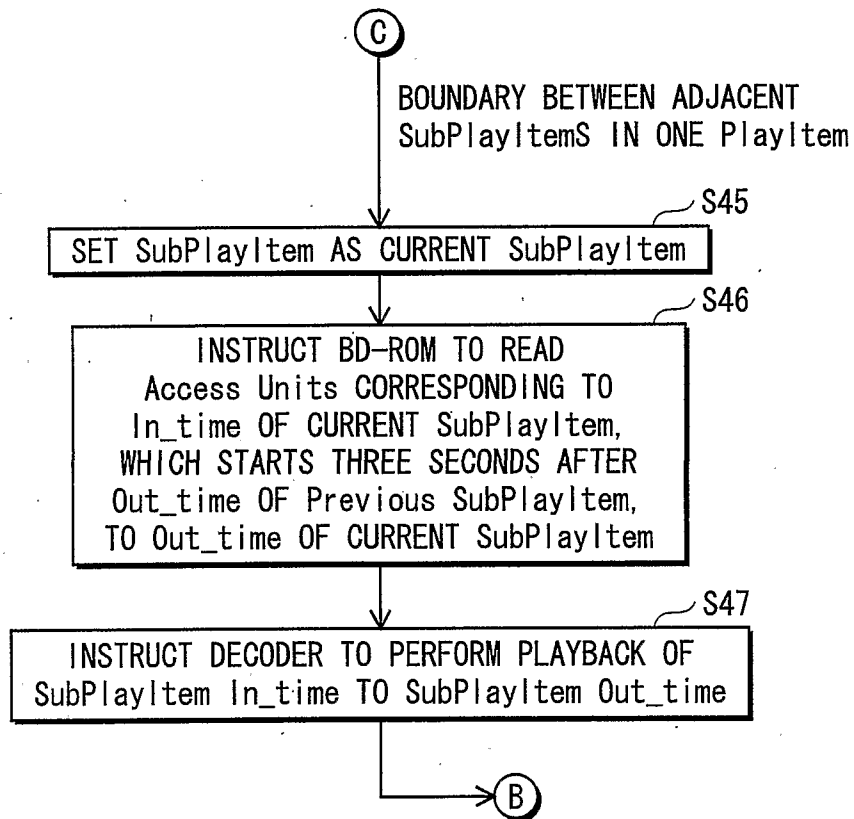


FIG. 41

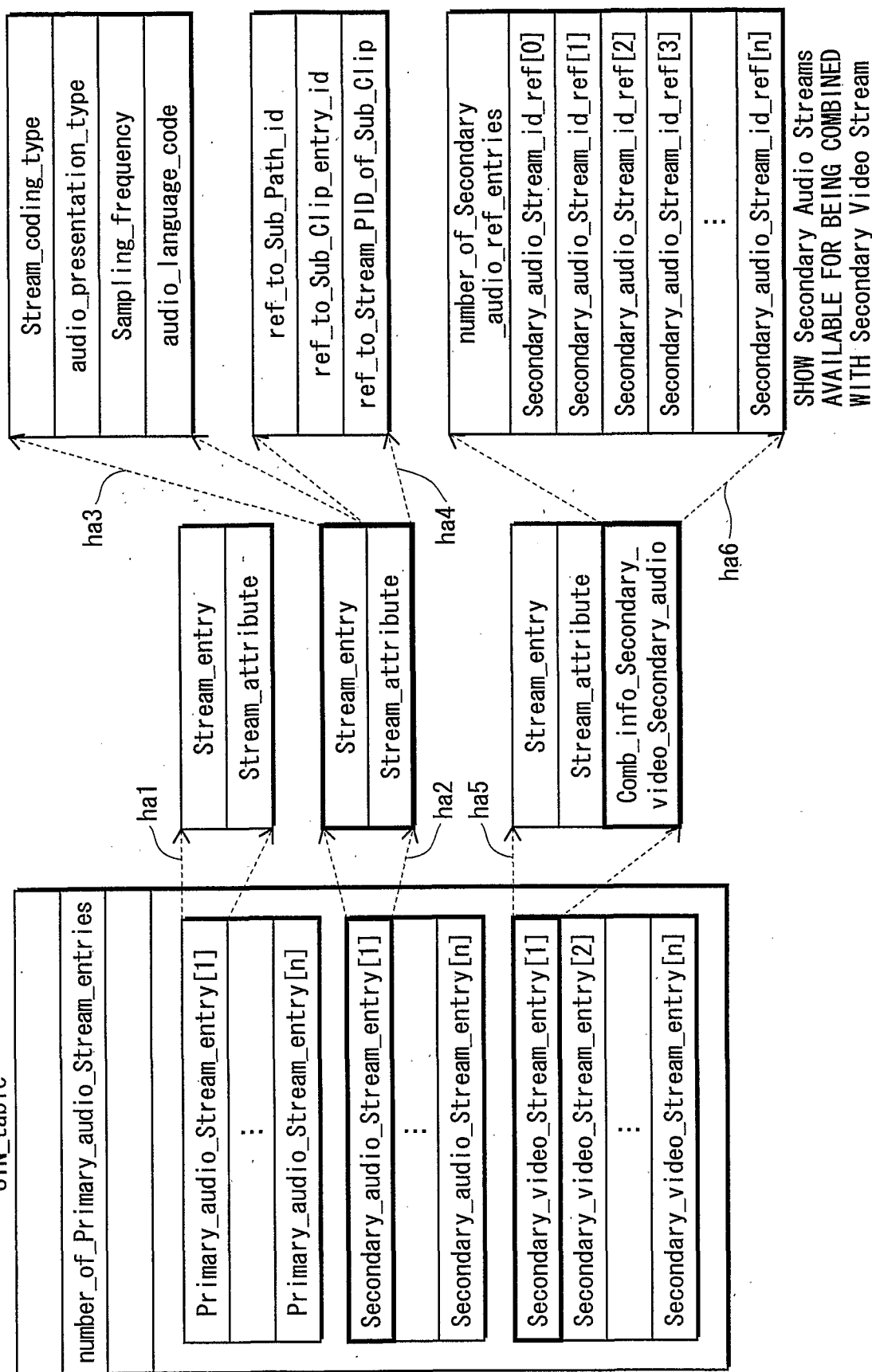


FIG. 42A

PSR1:Primary Audio Stream Number

b31	b30	b29	b28	b27	b26	b25	b24
reserved							
b23	b22	b21	b20	b19	b18	b17	b16
reserved							
b15	b14	b13	b12	b11	b10	b9	b8
reserved							
b7	b6	b5	b4	b3	b2	b1	b0
Primary audio stream number							

Primary audio stream

number ... 0:Reserved

1 to 32:Primary audio stream number

0xFF:Primary audio stream is not selected
or no Primary audio stream

FIG. 42B

PSR14:Secondary Audio Stream Number

b31	b30	b29	b28	b27	b26	b25	b24
disp_V _flag							
b23	b22	b21	b20	b19	b18	b17	b16
reserved							
b15	b14	b13	b12	b11	b10	b9	b8
Secondary video stream number							
b7	b6	b5	b4	b3	b2	b1	b0
Secondary audio stream number							

Secondary audio stream

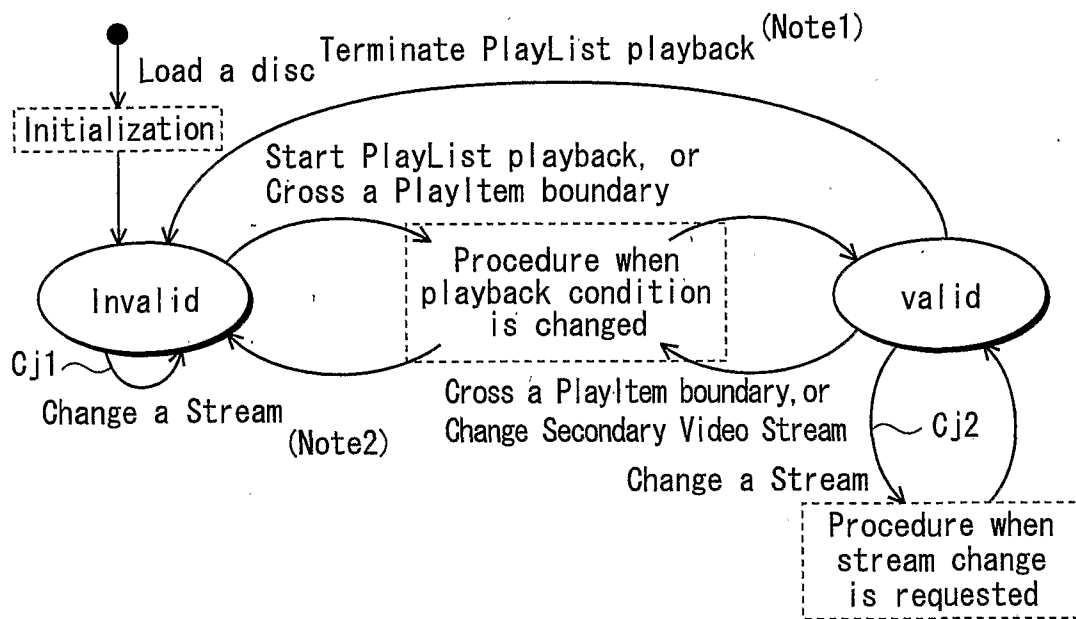
number ... 0:Reserved

1 to 32:Secondary audio stream number

0xFF:Secondary audio stream is not selected
or no Secondary audio stream

Others:reserved

FIG. 43



Note1: The last value of PSR is maintained when the state is changed from "Valid" to "Invalid".

Note2: The value of PSR is simply overwritten when the state is in "Invalid".

FIG. 44

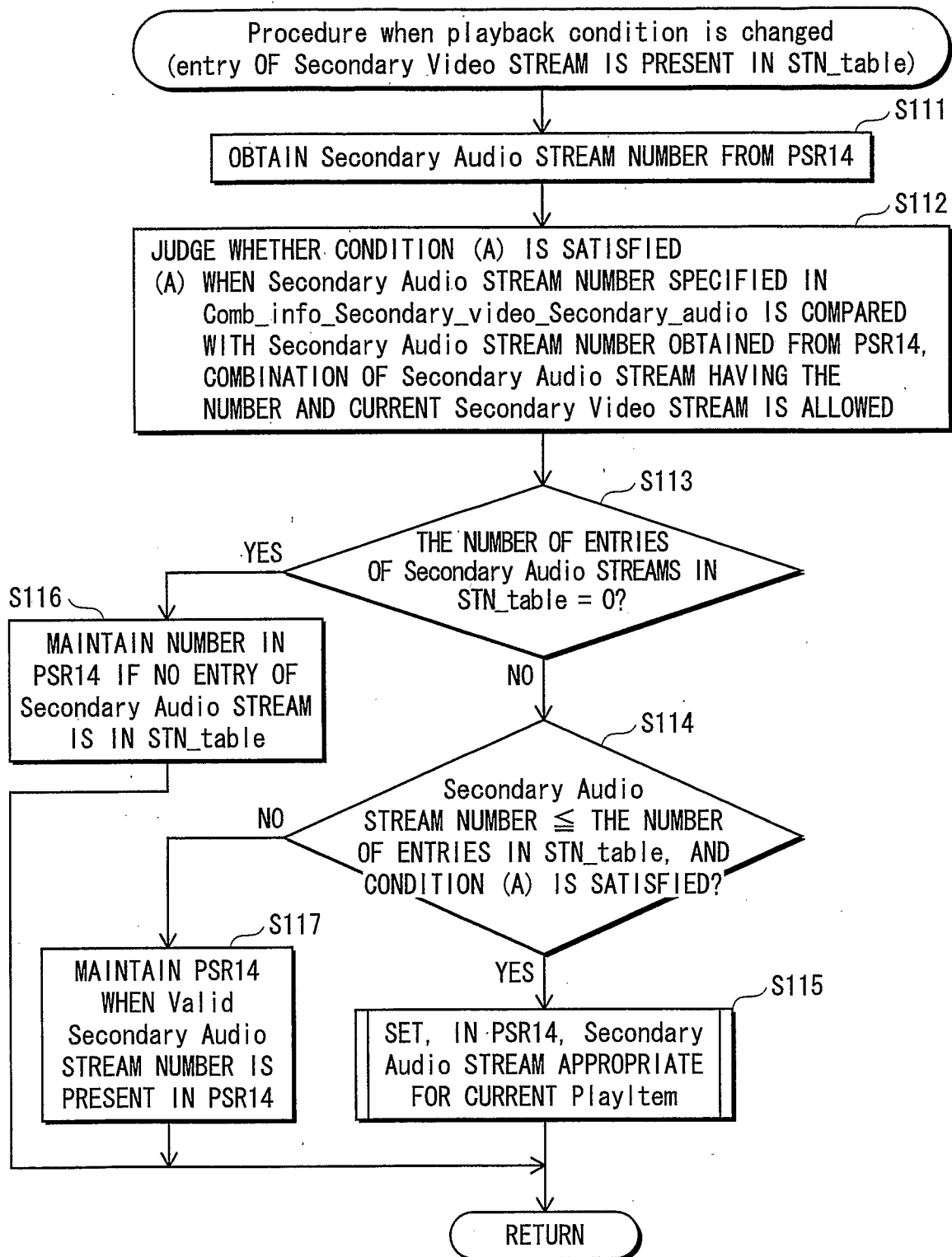


FIG. 45

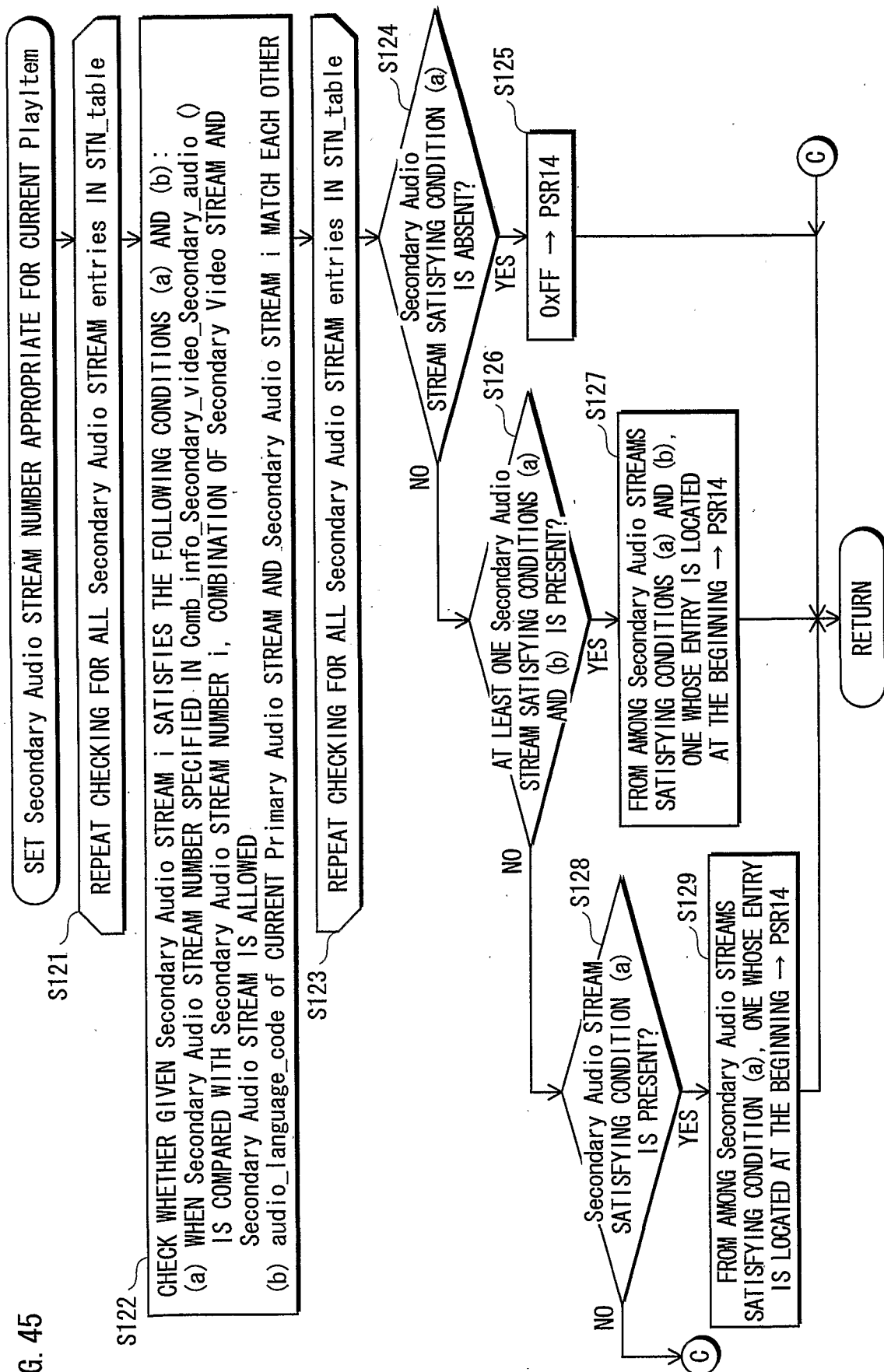


FIG. 46

Procedure when stream change is requested
(entry OF Secondary Audio STREAM IS PRESENT IN STN_table)

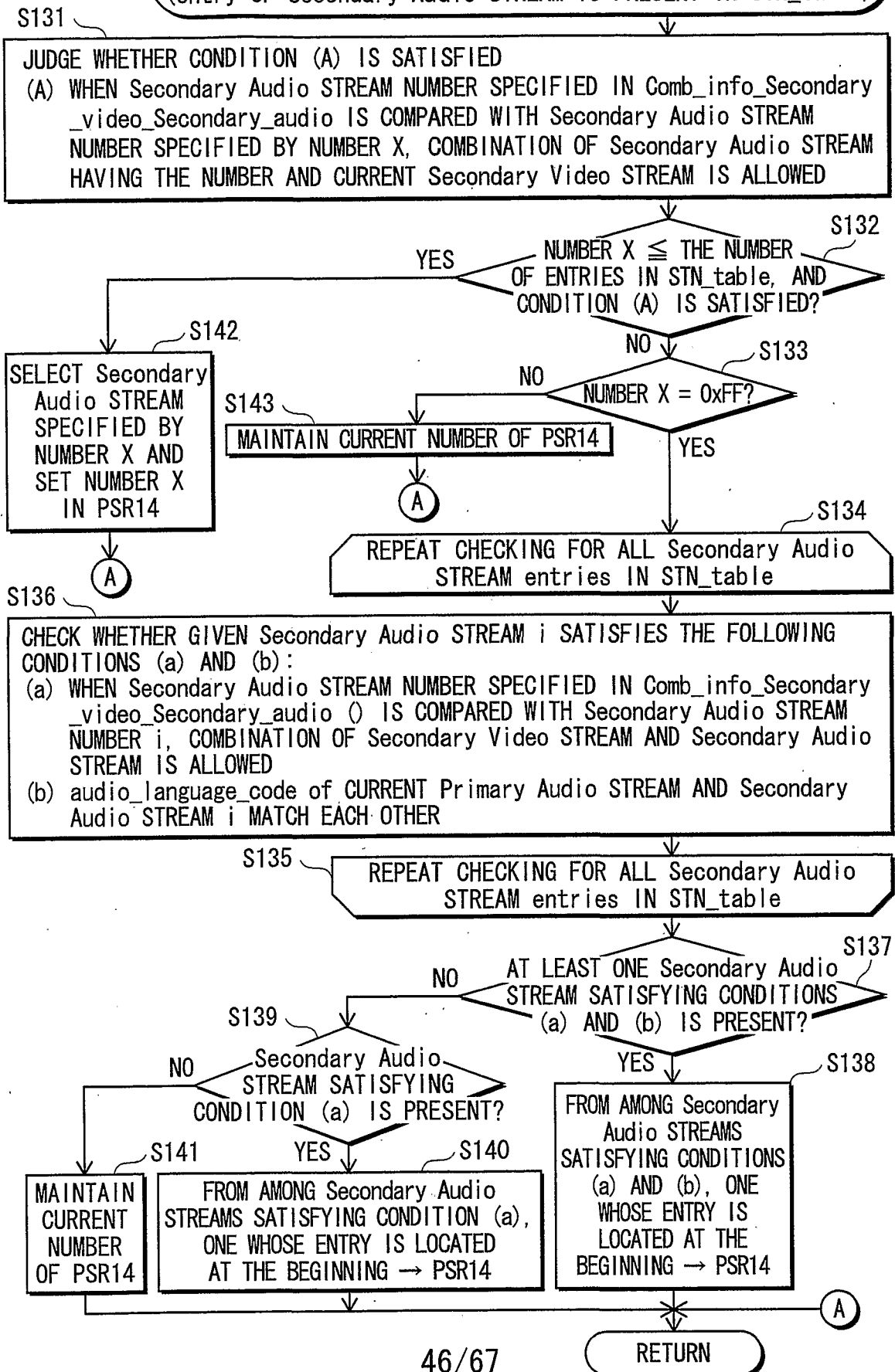


FIG. 47

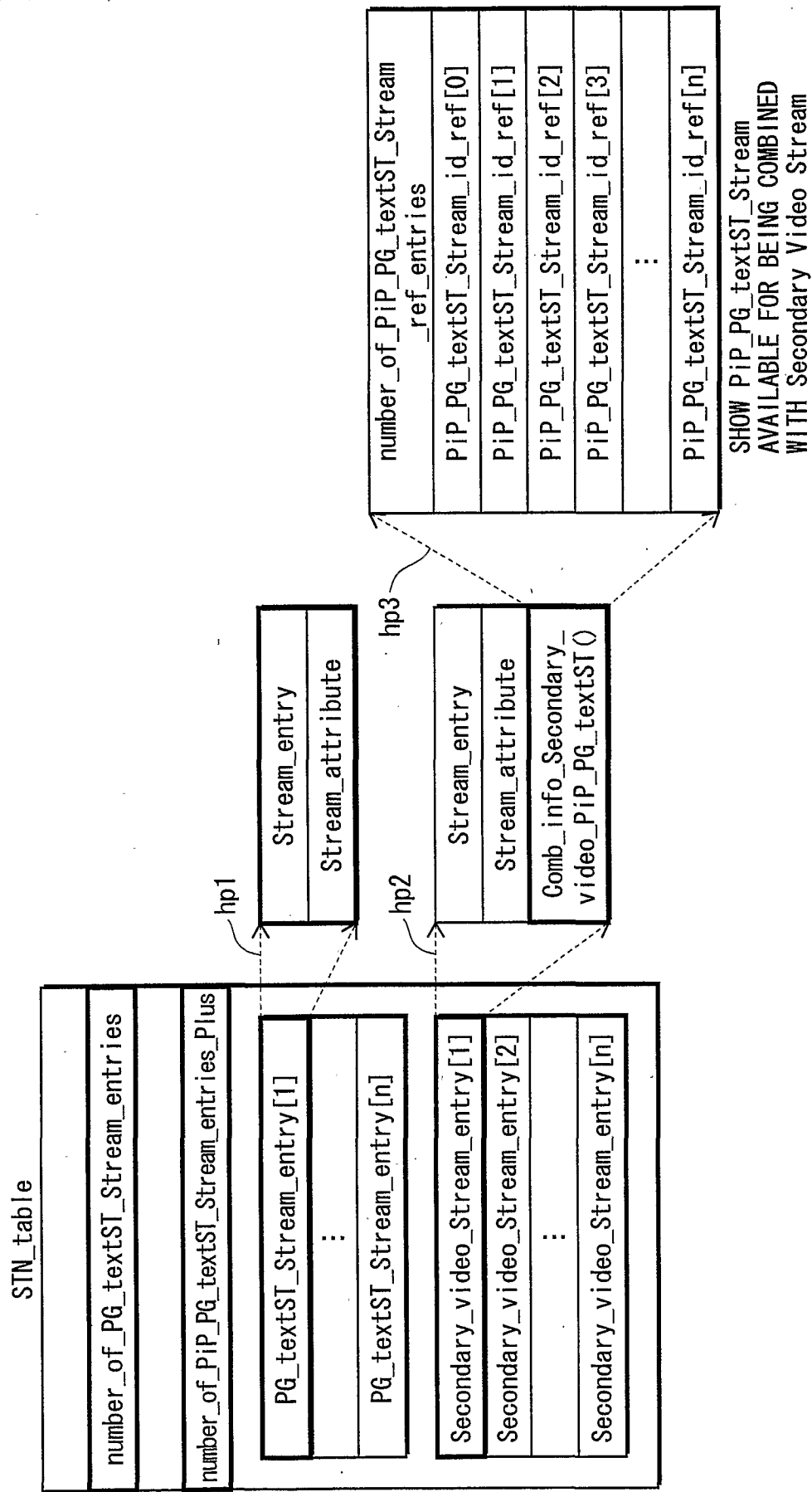


FIG. 48A

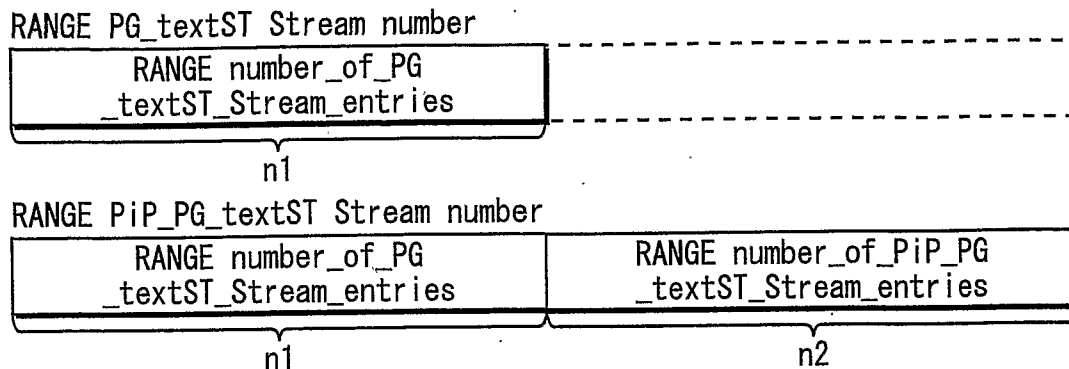
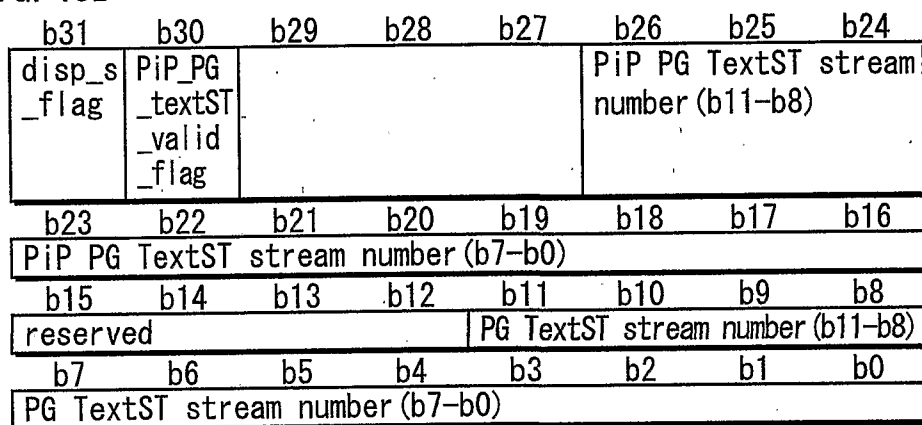


FIG. 48B



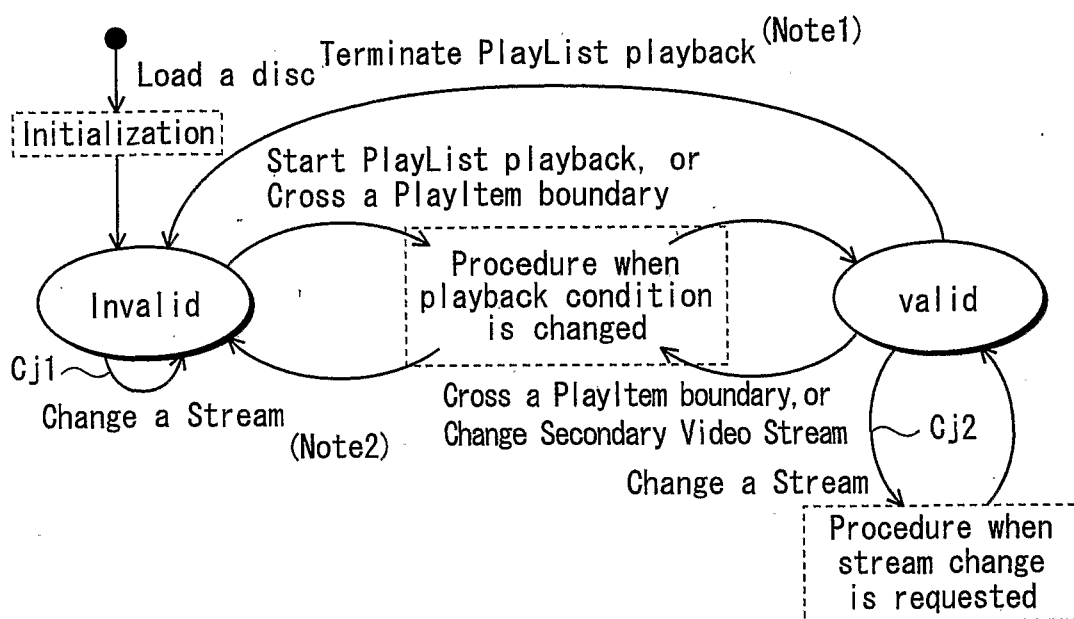
disp_s_flag ... 0b: Display of both "PG textST stream" and "PiP PG textST stream" is disable
 1b: Display of both "PG textST stream" and "PiP PG textST stream" is enable

PiP_PG_textST_valid_flag ... 0b: The PG TextST stream number defined in PSR2 shall be used when a Secondary video stream is displayed
 1b: The PiP PG TextST stream number defined in PSR2 shall be used when a Secondary video stream is displayed

PG TextST stream number ... 0: Reserved
 1 to 255: PG TextST stream number
 0xFFFF: PG TextST stream number is not selected or no PG TextST stream

PiP PG TextST stream number ... 0: Reserved
 1 to 255: PiP PG TextST stream number
 0xFFFF: PiP PG TextST stream number is not selected or no PiP PG TextST stream

FIG. 49



Note1: The last value of PSR is maintained when the state is changed from "Valid" to "Invalid".

Note2: The value of PSR is simply overwritten when the state is in "Invalid".

FIG. 50

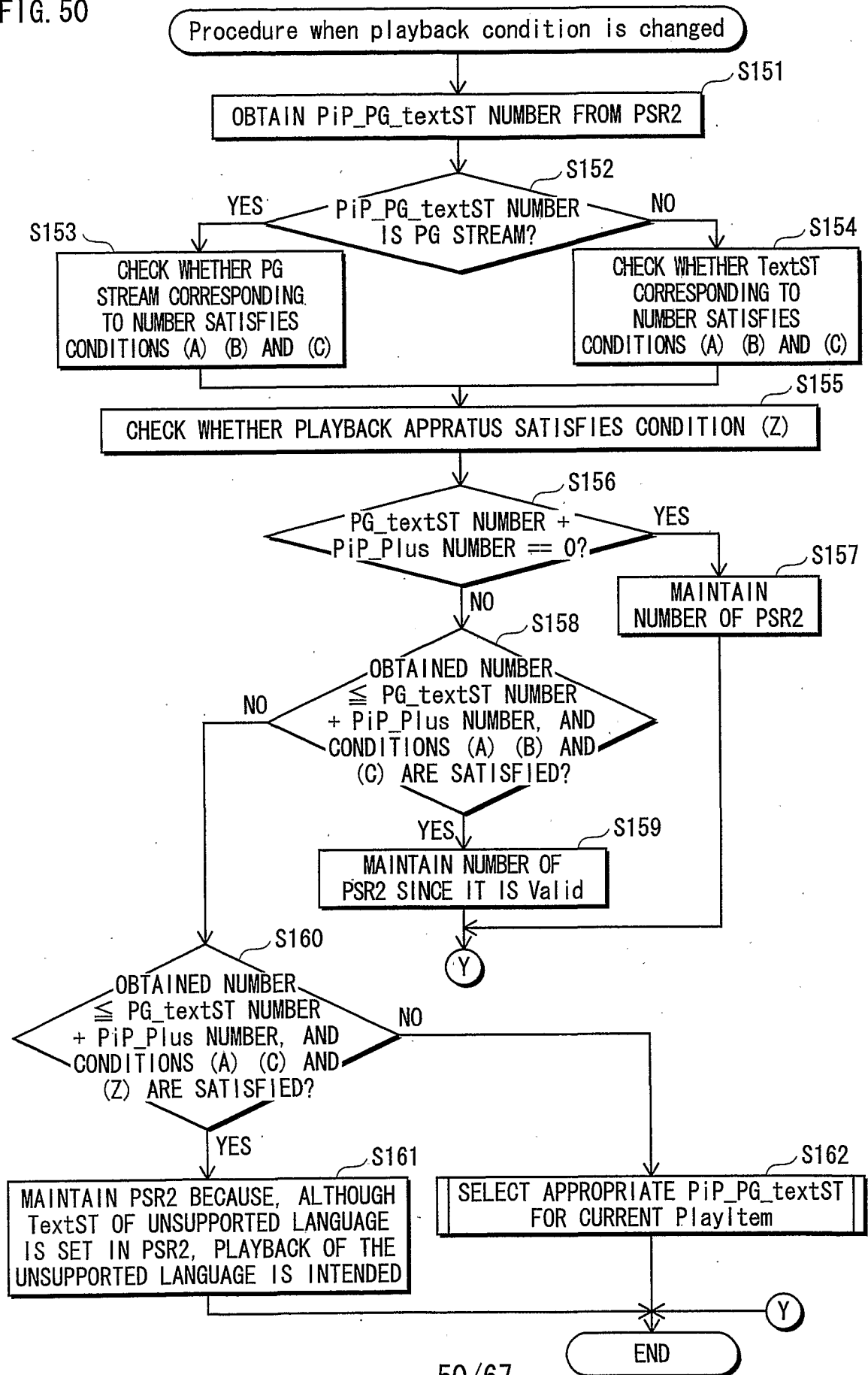


FIG. 51

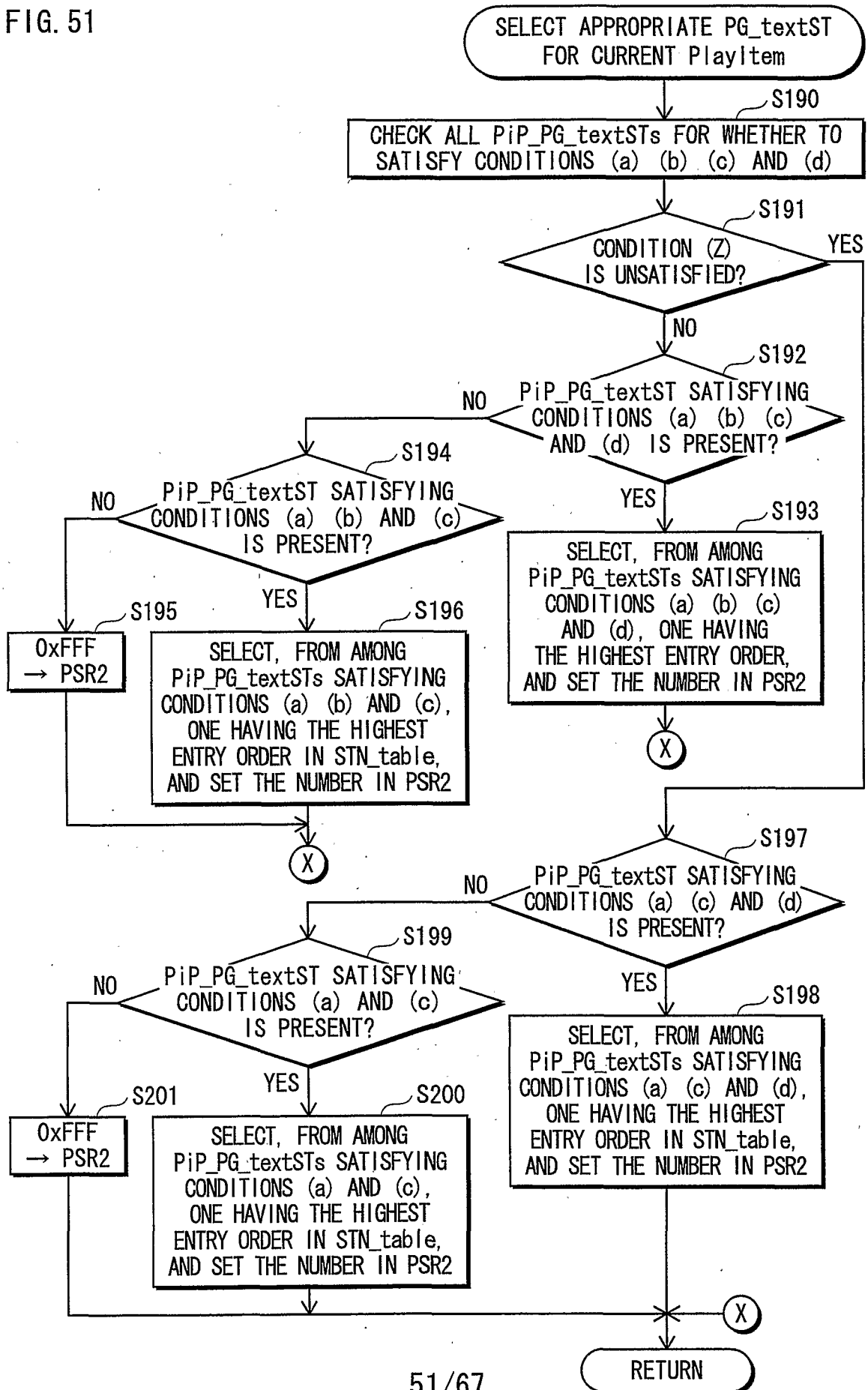


FIG. 52

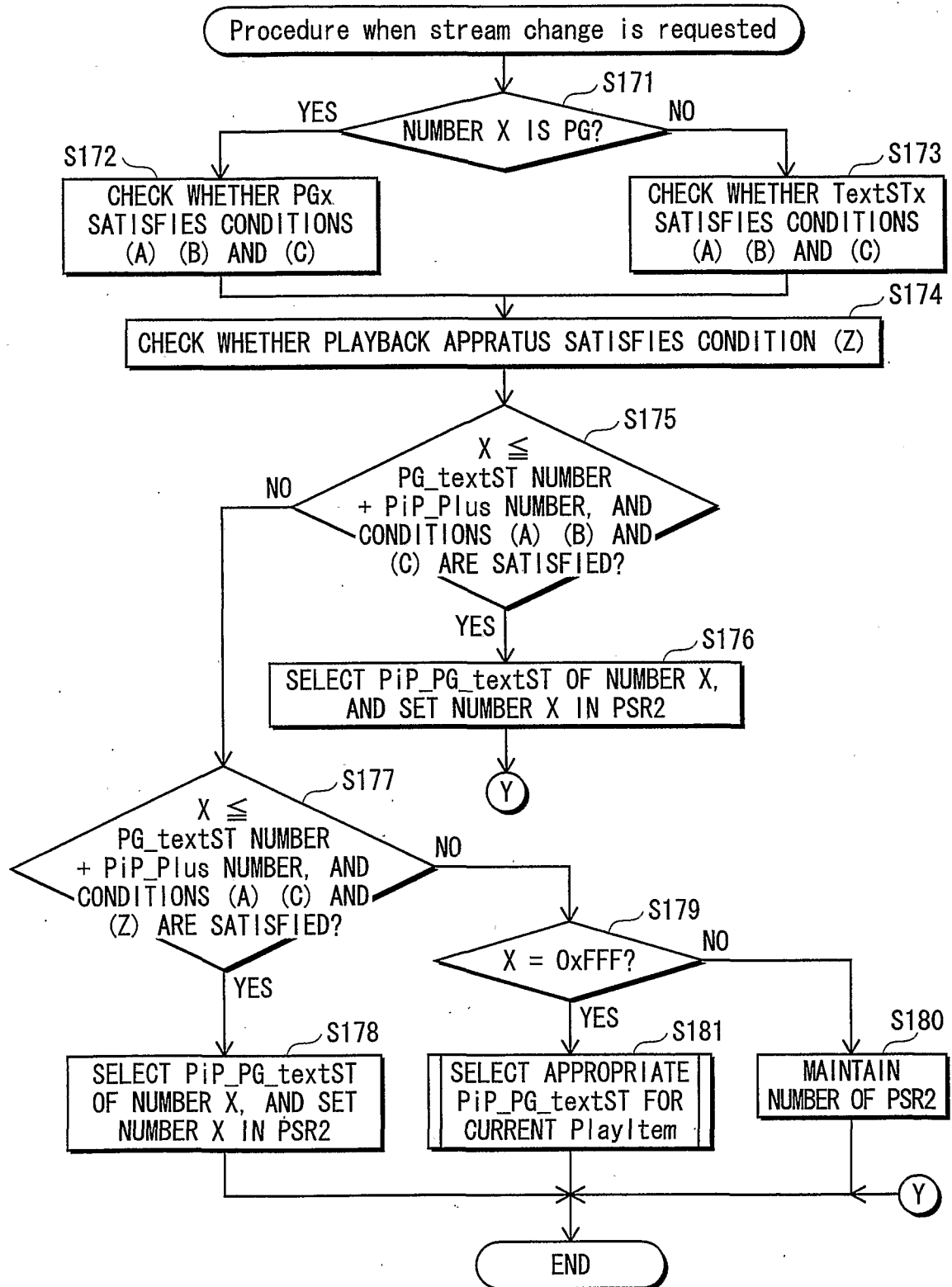


FIG. 53

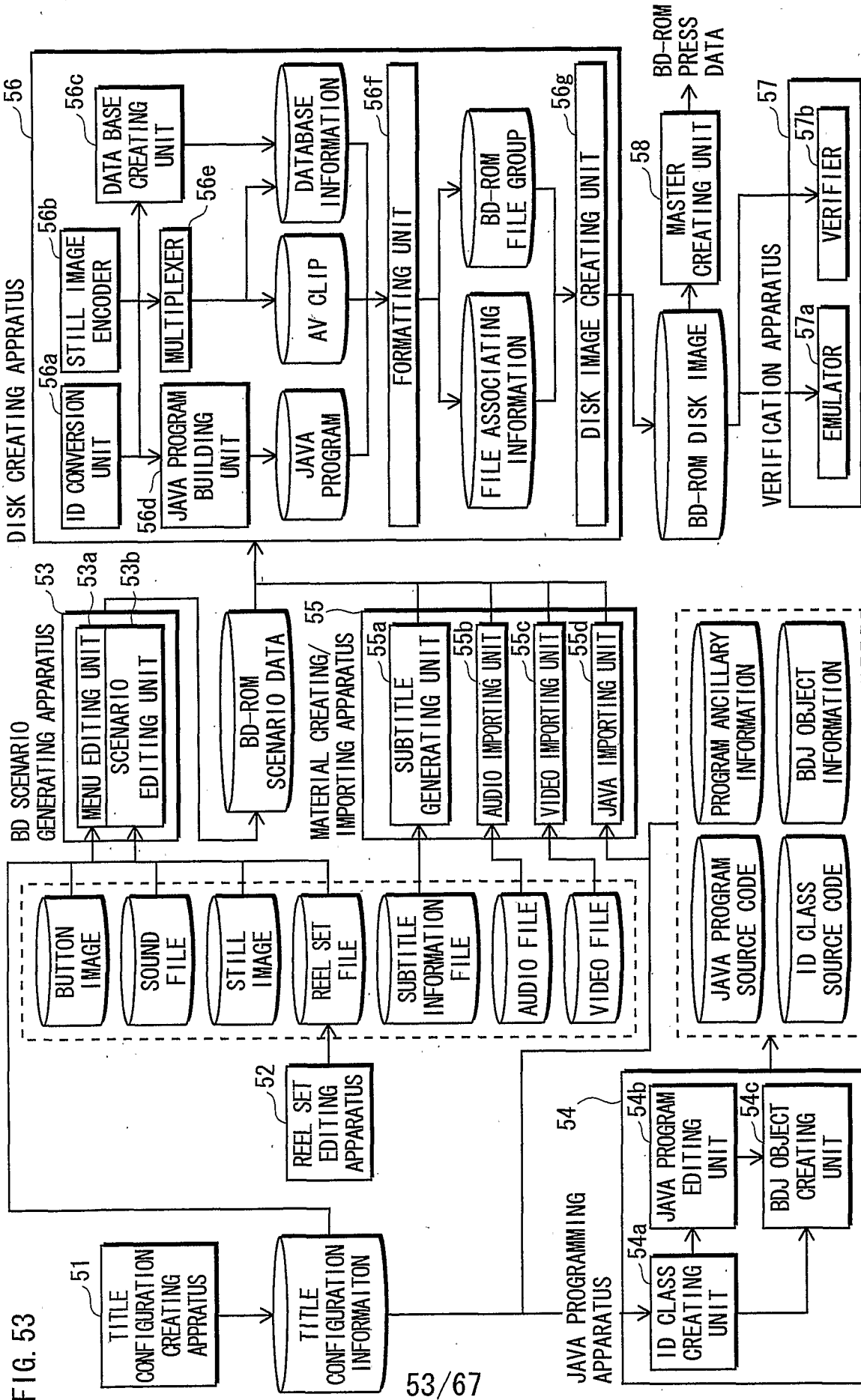


FIG. 54

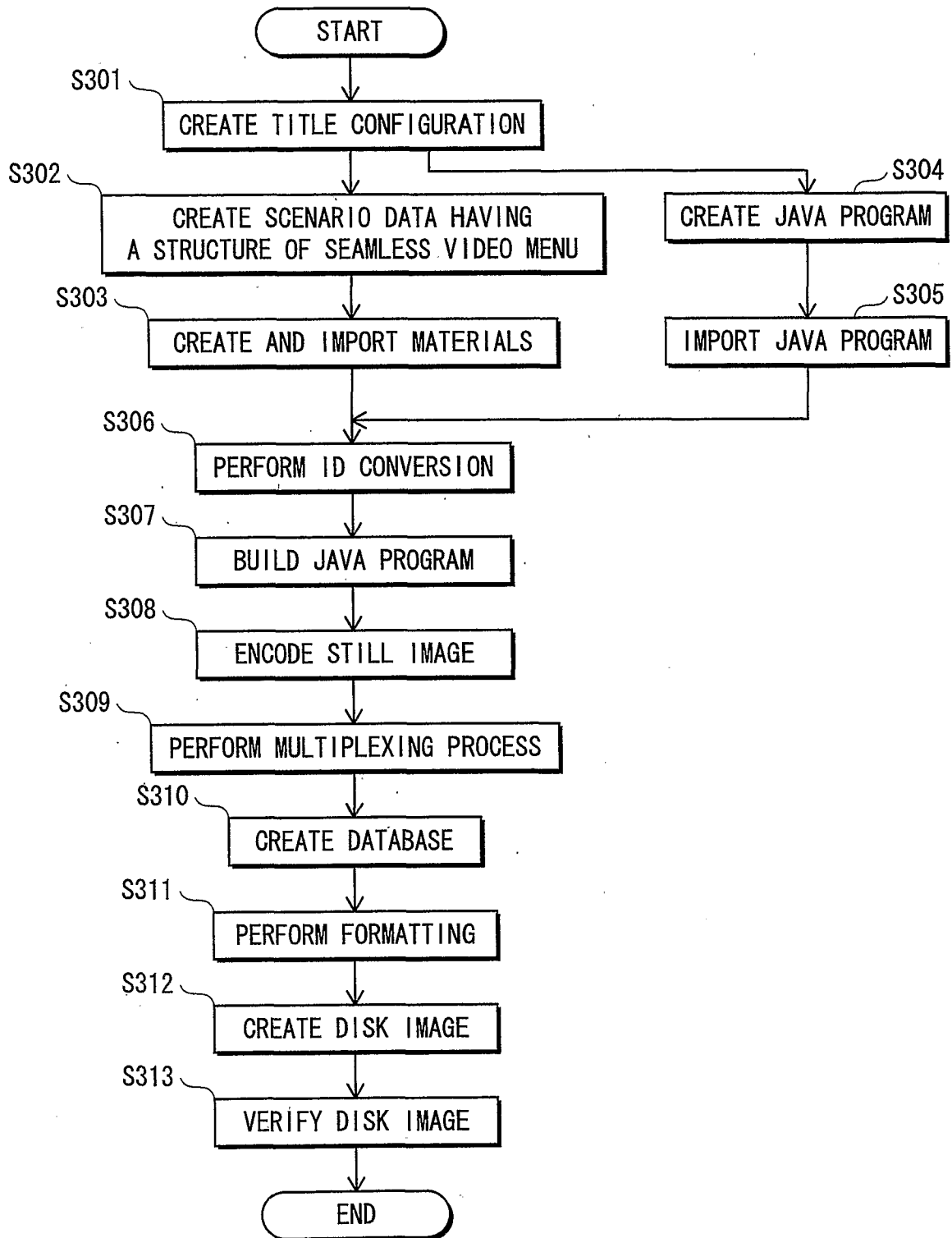


FIG. 55

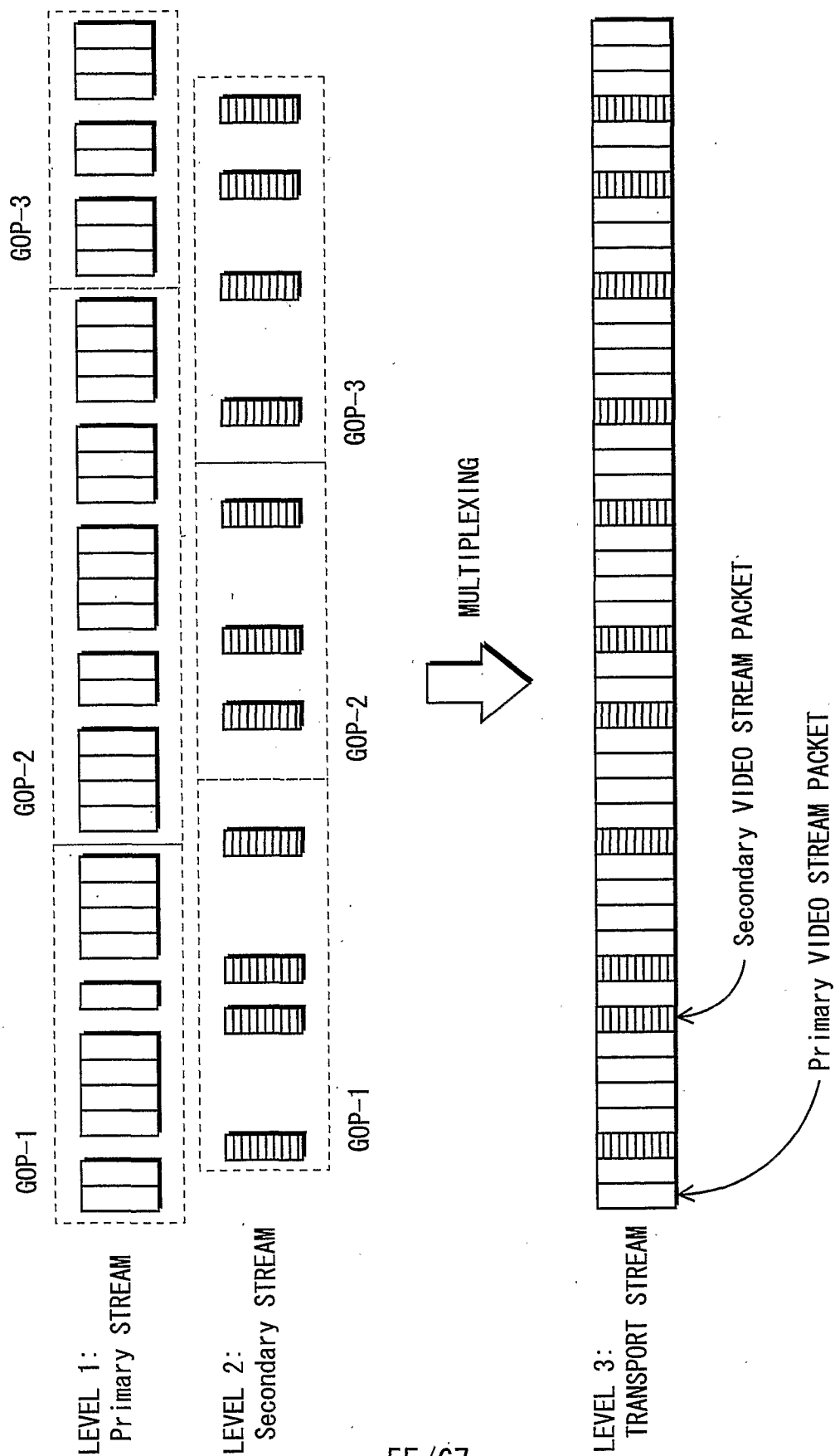


FIG. 56

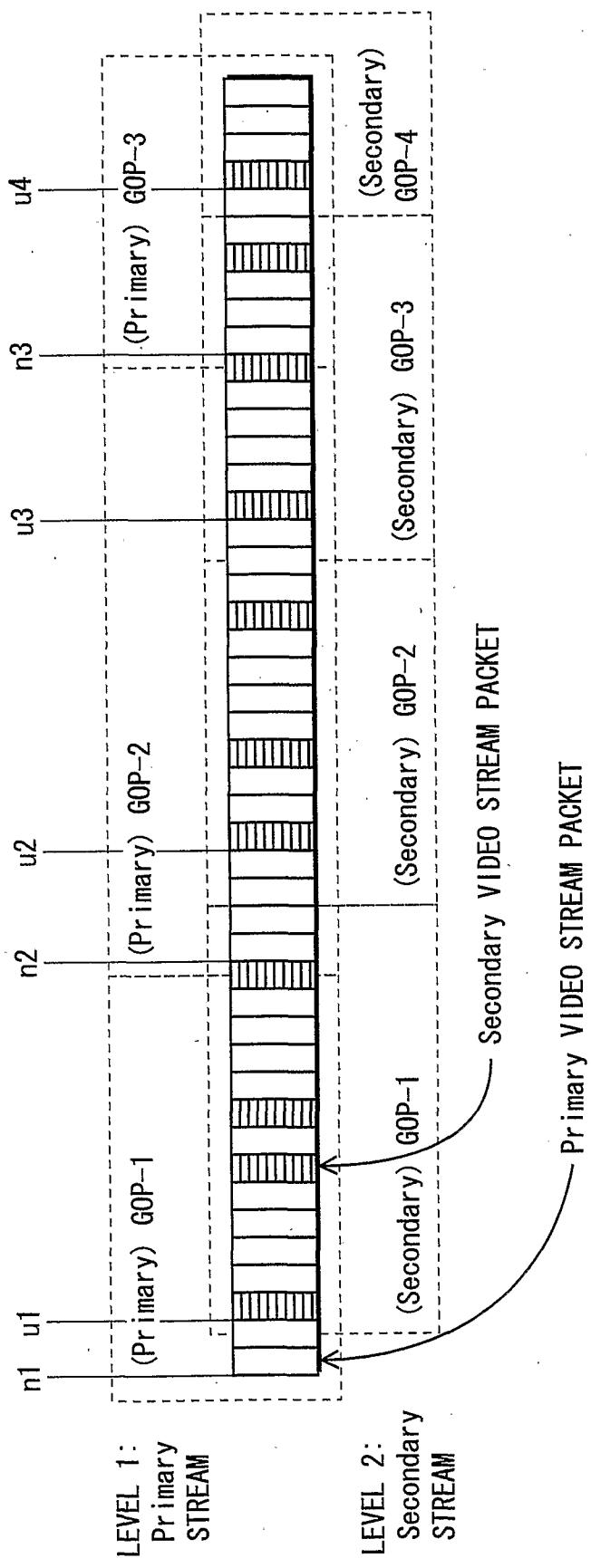
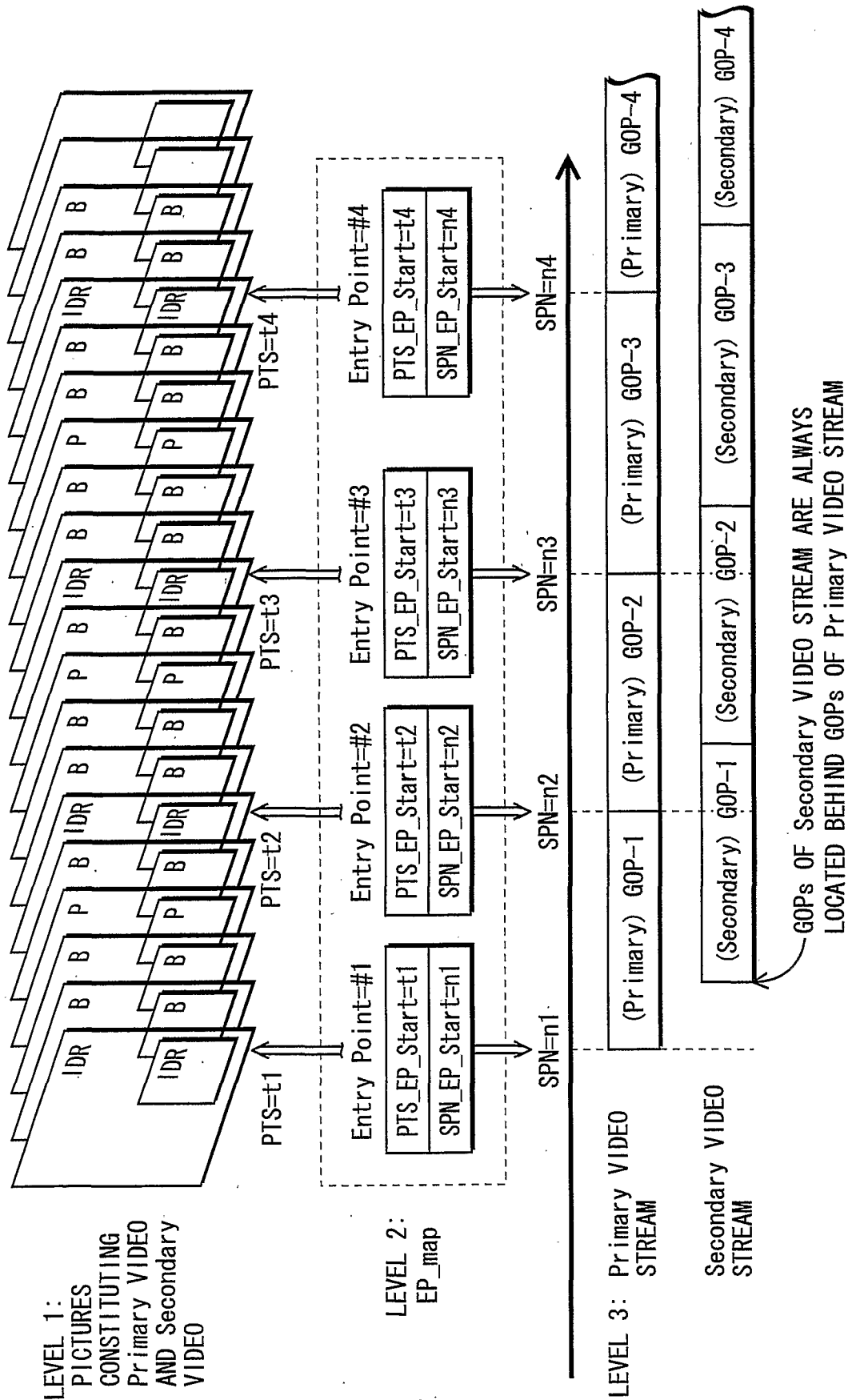


FIG. 57



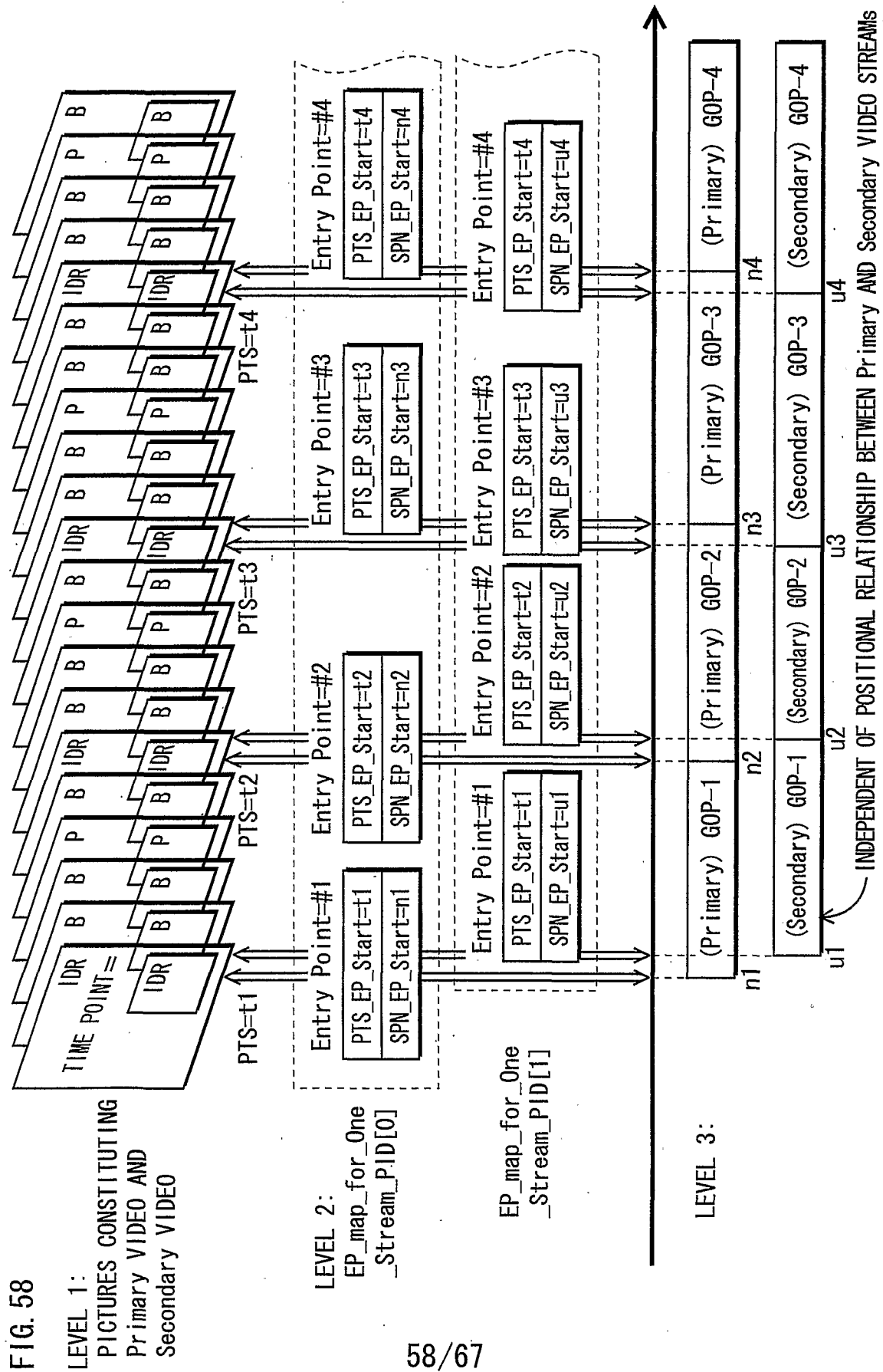


FIG. 59

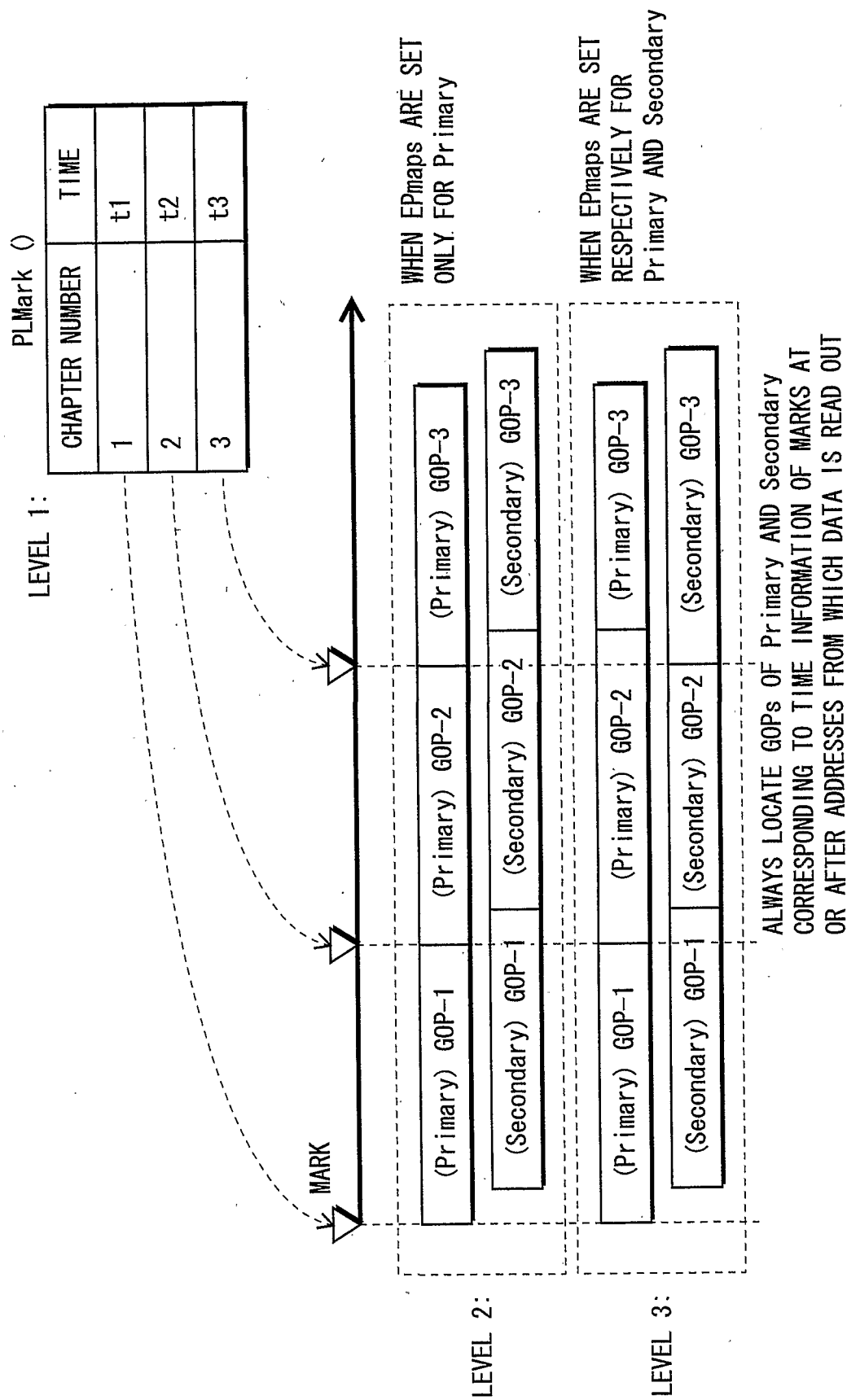
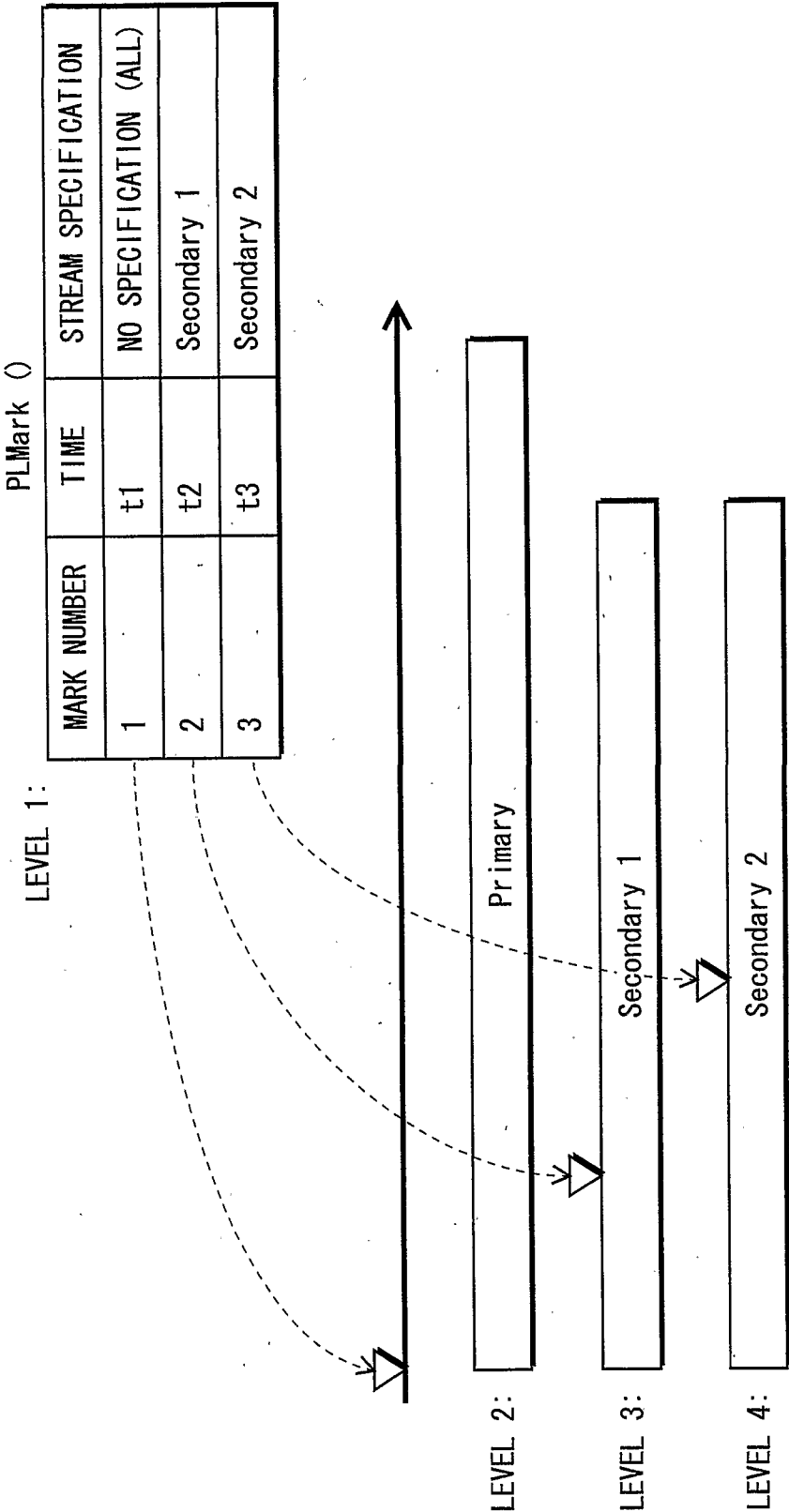


FIG. 60



MARKS FOR Secondary BECOME VALID AND CAN BE USED AS SKIPPING
POINTS ONLY WHEN THE APPROPRIATE Secondary IS BEING DISPLAYED

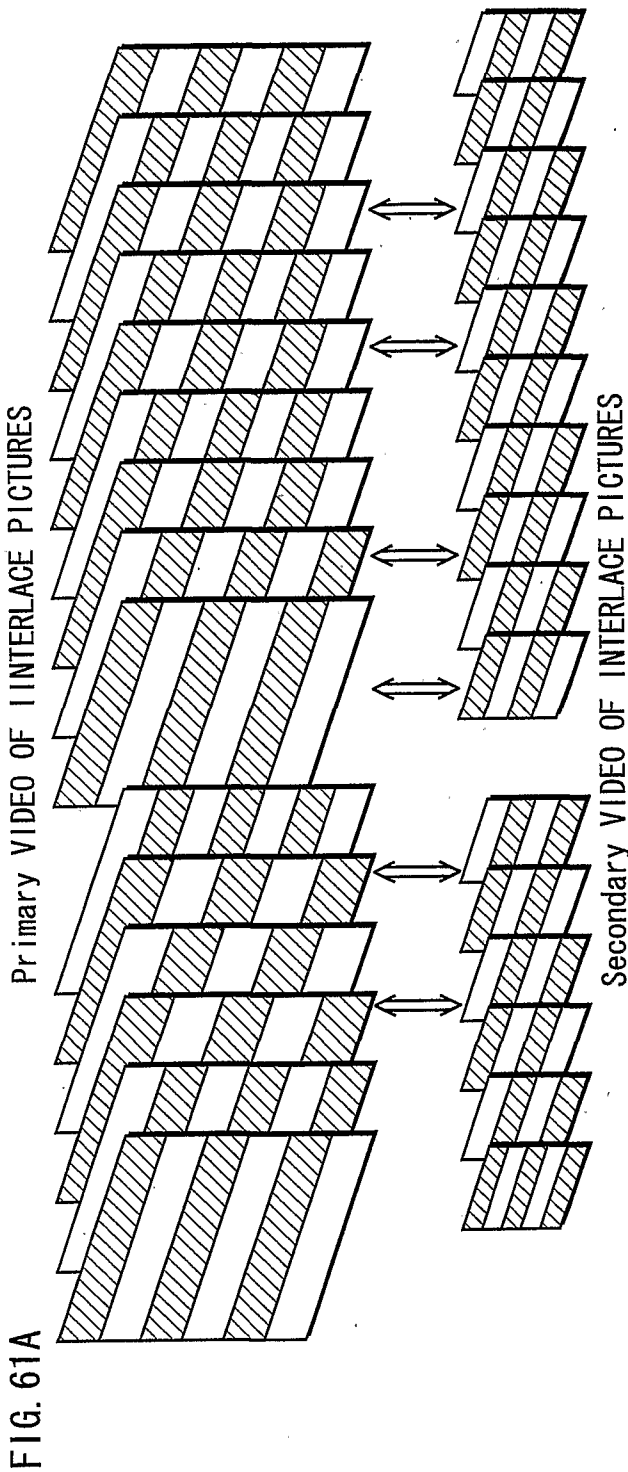


FIG. 61C COMBINATIONS FOR ANTI-PHASE

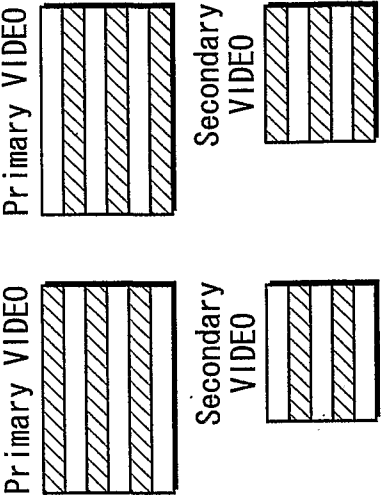


FIG. 61B COMBINATIONS FOR IN-PHASE

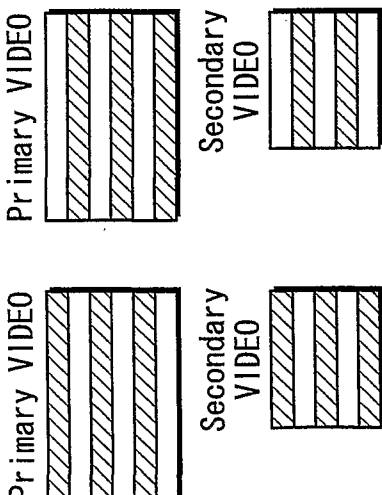
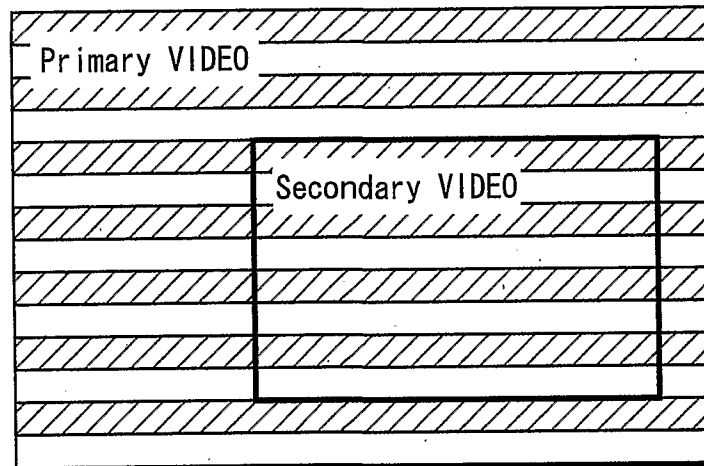


FIG. 62

PLAYABLE COMPOSITE PATTERN



UNPLAYABLE COMPOSITE PATTERN

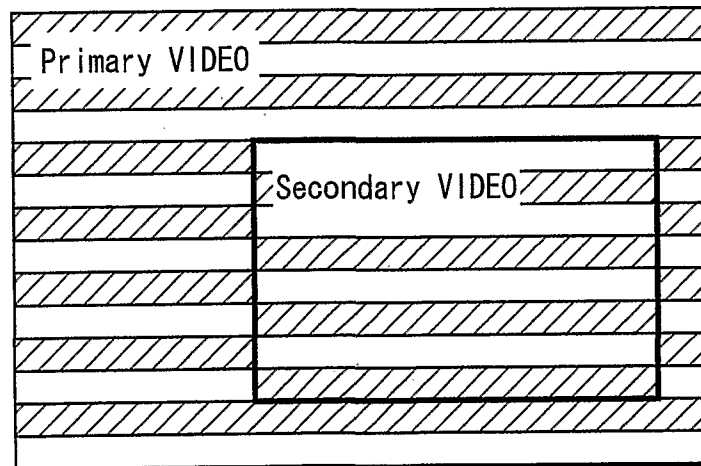


FIG. 63

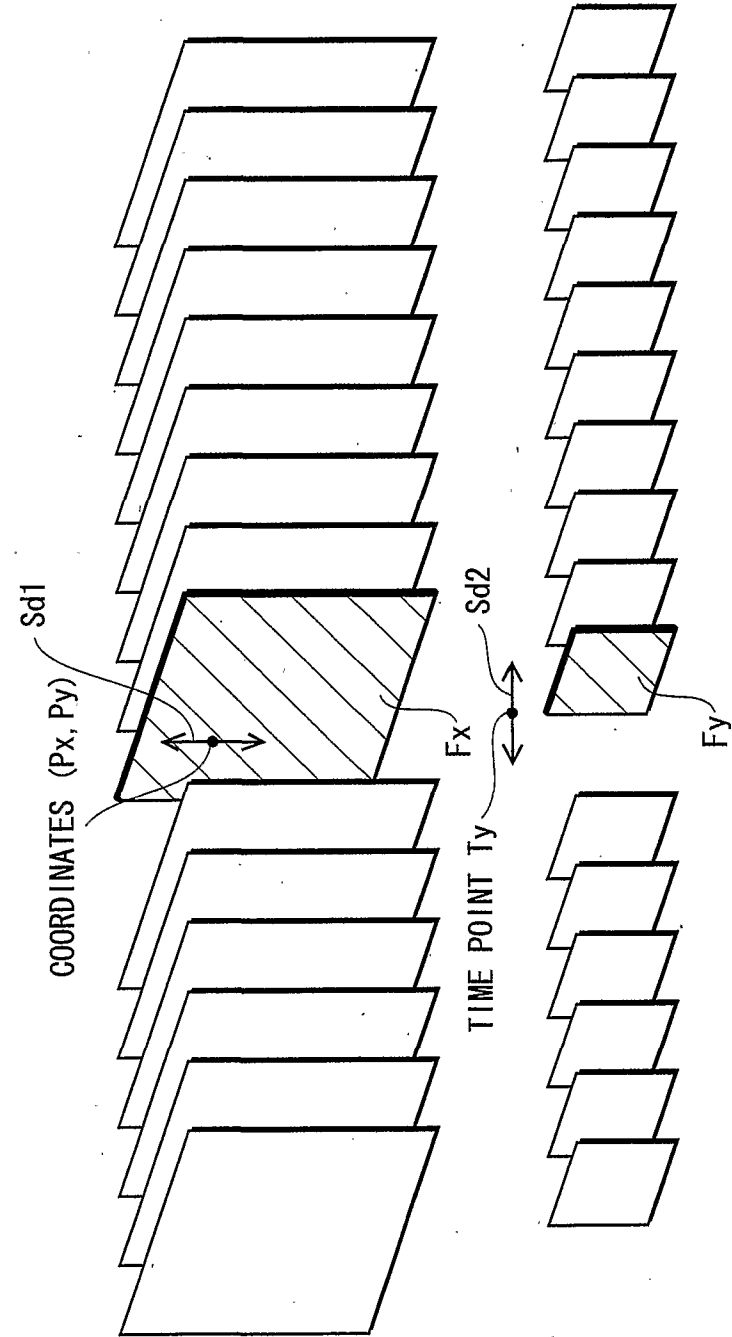


FIG. 64

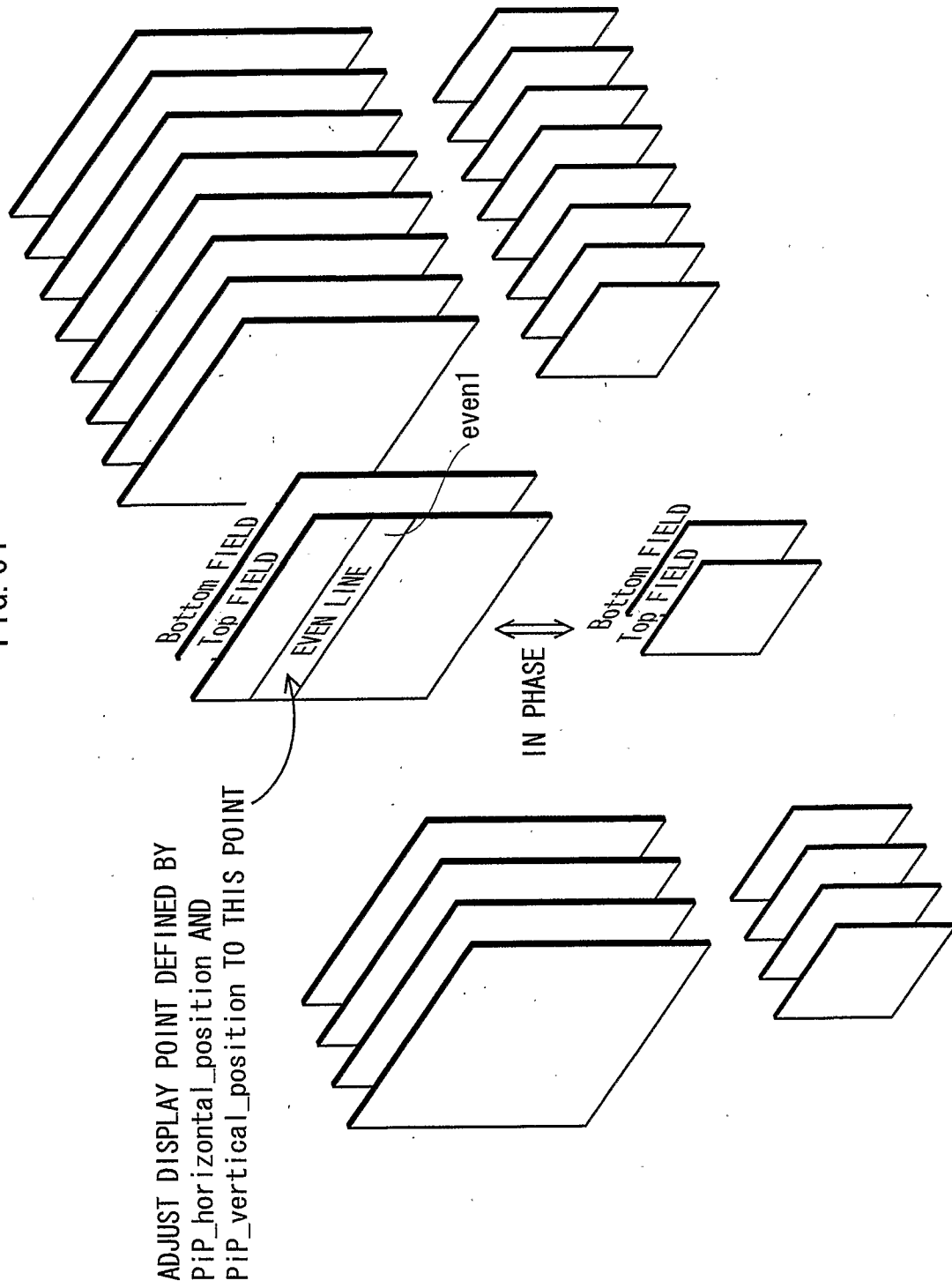


FIG. 65

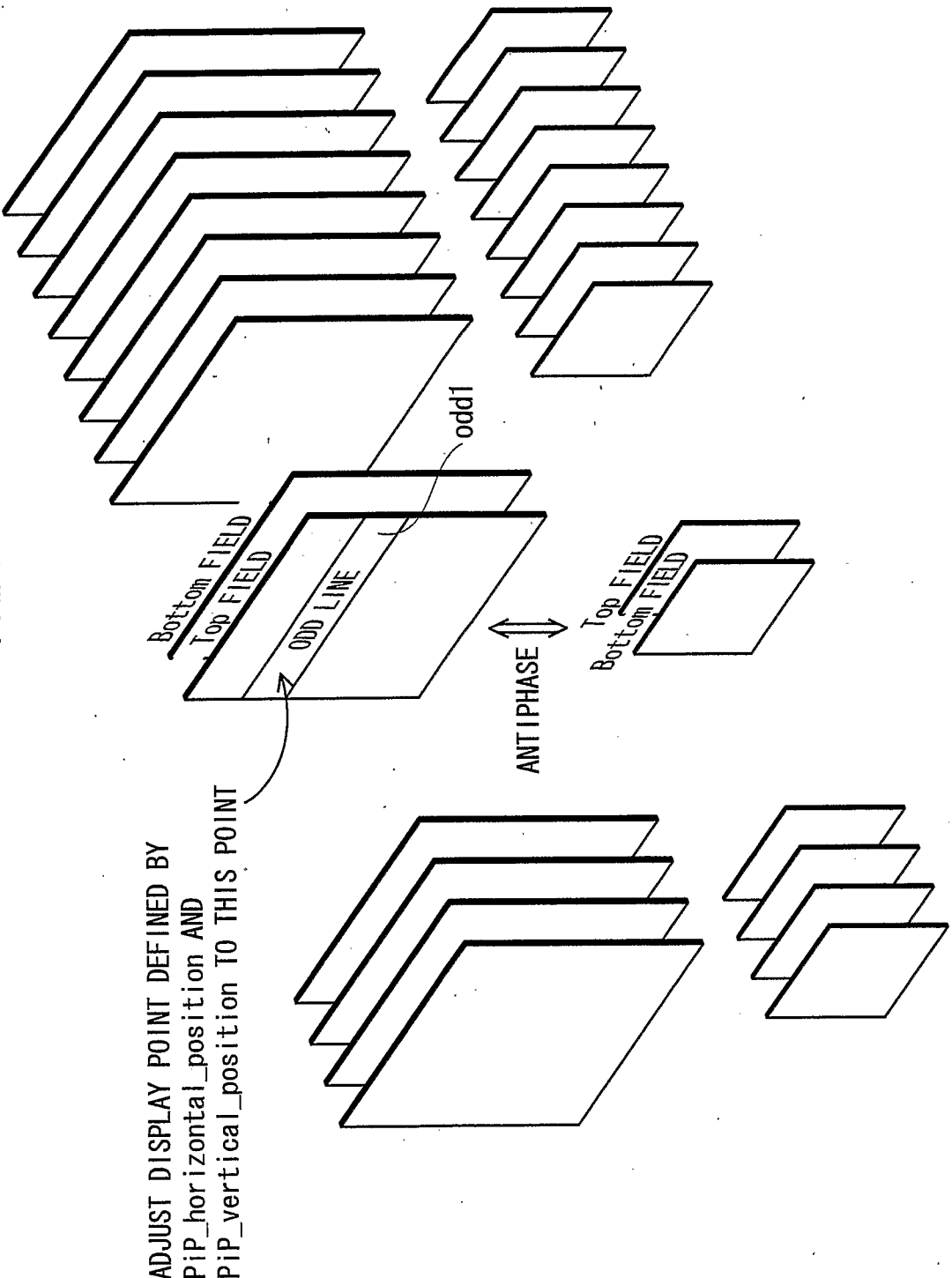


FIG. 66

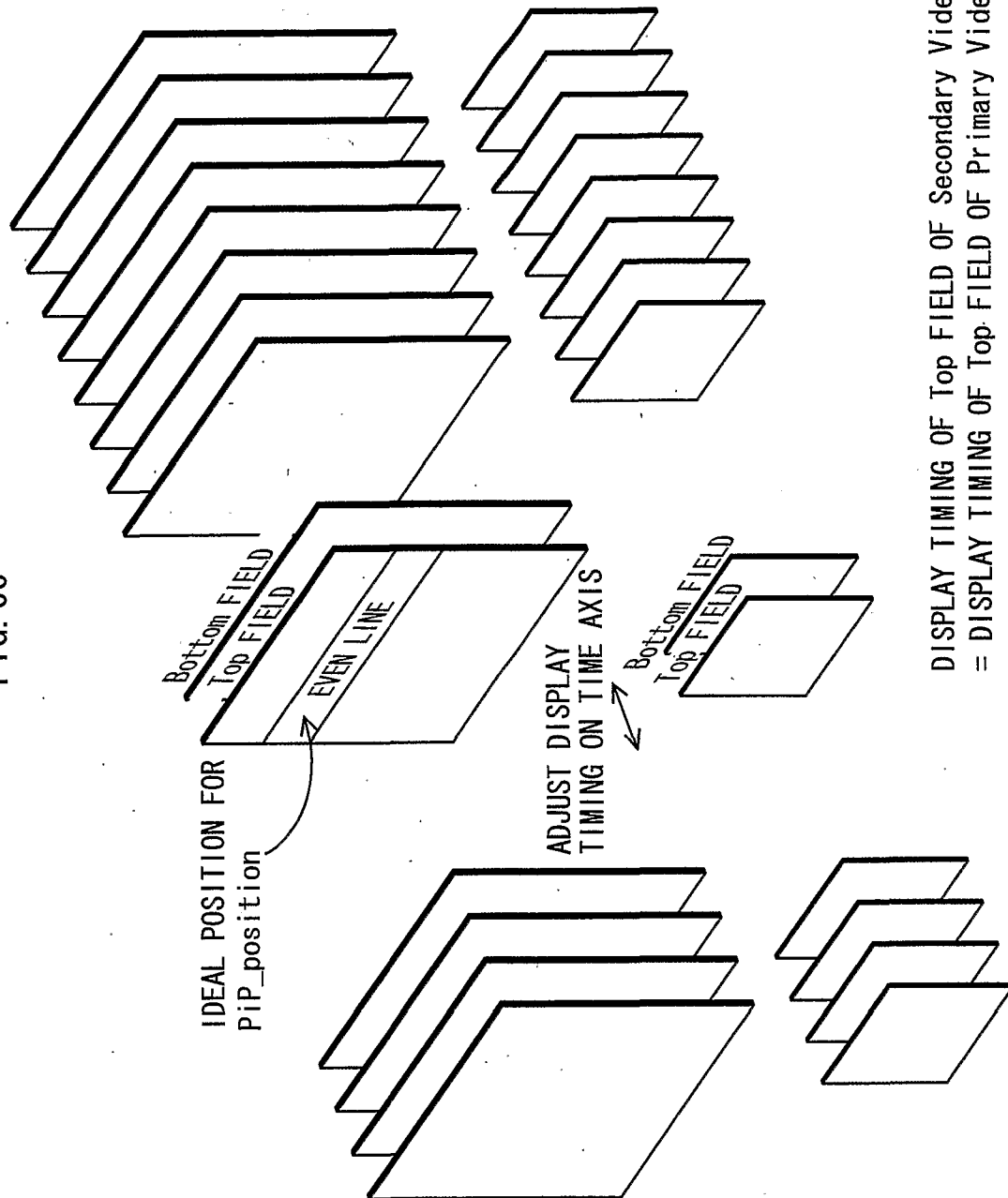


FIG. 67

