

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl.<sup>7</sup>  
G11B 20/04

(45)  
(11)  
(24)

2004 09 13  
10-0448452  
2004 09 02

(21) 10-2000-0031821  
(22) 2000 06 09

(65)  
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10-2001-0111247  
2001 12 17

(73) 20

(72) 897-5 606 503

110 111 204

306

2 286-266

(74)  
:

(54)

가 (HD-DVD)  
가 . 가  
가

8

, , , VSB, ,

1  
 2 3  
 4 5  
 6 7  
 8 9  
 가 10 가  
 11 가

1 : 2 : 4 :  
 3 : 5 : 6 :  
 7 : 8 :  
 9 : 11,31 :  
 12,32 : 13 : VSB  
 14,35 : 21 : VSB  
 22,42 : 23,43 :  
 33,41 : 34 : OSD 44 :

(HD-DVD: High Density Digital Versatile Disc)

(Title) (Chapter) (D-TV)

1  
 (100) (1) (2);  
 (3);  
 (4);  
 (5);  
 (6); (7);  
 가 (Mixing) (8); (200)  
 가 A/V (Re-Encoding) (9)  
 (100) (2) 가 A/V  
 (200) (1) (200)  
 ) (2) (200)  
 가 A/V (6) (200)  
 (1) (200)  
 (200)  
 (Highlight) 가  
 가 A/V

(HD-DVDP) (HD-DVD) / (HD-DVDR) (D-TV)

(HD-DVD)

(D-TV)

가

가

OSD(On Screen Display)

가

OSD(On Screen Display)

2

A/V

(110) (12);

(11)

2 (12)

(14);

(12)

A/V

(13)가

(VSB: Vestigial Sideband)

VSB

VSB

2 A/V

(210)

VSB

(21);

A/V

(23)가

(22);

(12)

(Main) A/V

(110)

(14)

(12)

VSB

(13)

(11)

가

A/V

가

(210)

3

(120) (32);

(31)

2 A/V

(mixing)

OSD

(OSD: On Screen Display)

OSD

(34);

(32) OSD

EIA775 (34)

(35);

(32)

A/V

IEEE 1394

IEEE 1394

(Isochronous)

(Asynchronous)

OSD

(34)

(33)가

(220)

(41);

A/ (

V 41)

A/V

OSD

(41);

(42);

OSD

OSD

가

(44);

(43)가

(31) A/V 가 (120) (35) (33) 가 (32)  
 OSD (34)  
 (120) (33) (220) A/V 가  
 (42) OSD 가  
 (43) OSD  
 4  
 (Title #1,2..) VMG(Video Manager) 가 VMG , VMG  
 , VMG A/V  
 A/V 가 A/V VMG VMG A/V  
 VMG VMG A/V 5 , VMG (大)  
 VMG A/V (小)  
 A/V VMG A/V  
 /V A  
 , EIA775 OSD , IEEE1394  
 3 가 , 6  
 4 (Thumbnail) / 4  
 6 VMG 2 A/V  
 4 6 가 , OSD  
 VMG 10 A/V (HOB: HD Object)  
 6가 , 7 ( 1 4 )  
 OSD , 6가 OSD , 7  
 , VSB , 6 , 1 2 6  
 , 6 6 , 6  
 , VSB 7 6 8  
 VMG\_HOBs) 2 (MPEG2 Transport Stream) VMG ( 1  
 (1st Picture for Menu Page #1) , 1  
 (2nd Picture for Menu Page #1)  
 6 (Null\_HD\_PCK) 가 (Menu\_P\_HOB\_  
 SA #11,#12,...,#n6,..) , (Menu\_P\_HOB\_EA #11,#12,...,#n6,..)  
 (14) 가

가 , (12)  
 , VSB (13)  
 , 가 , 9  
 , (I-Picture) , (P-Picture)  
 , (Video Compression) , 1  
 (1'st Picture of Menu Page #1) (I-Picture) 가 ,  
 (P-Picture) ,  
 , 가 ,  
 , OSD IEEE 1394 ,  
 , 10 (VMG\_HOBs) , 1 , 2 VMG (Menu Pa  
 ge #2) , 2 (Menu Page #1)  
 (Null\_HD\_PCK) 가 ('Menu\_P\_HOB\_SA's #1,#2,...#n,..)  
 ('Menu\_P\_HOB\_EA's #1,#2,...#n,..)  
 , (35) , 가 , 가  
 , 가 , 가 (33) (Isochronous)  
 , OSD (33) (34) (Async) , EIA775  
 OSD , 9 , 가 11 , O  
 SD , , 가  
 가 , , 가

(57)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

/

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가

17.

16

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(VMG)

18.

16

,

,

(VMG)

,

19.

16

,

,

(Icon)

20.

16

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21.

16

,

,

22.

16

,

,

(thumbnail)

(Icon)

23.

24.

25.

26.

27.

28.

29.

30.

31.

32.

33.

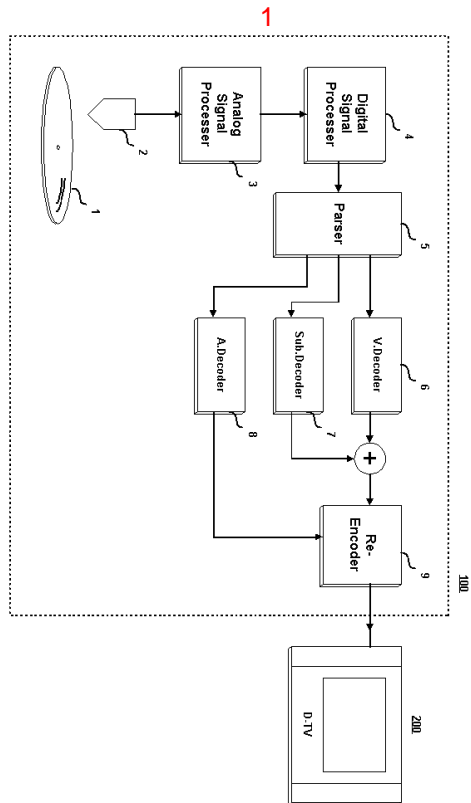
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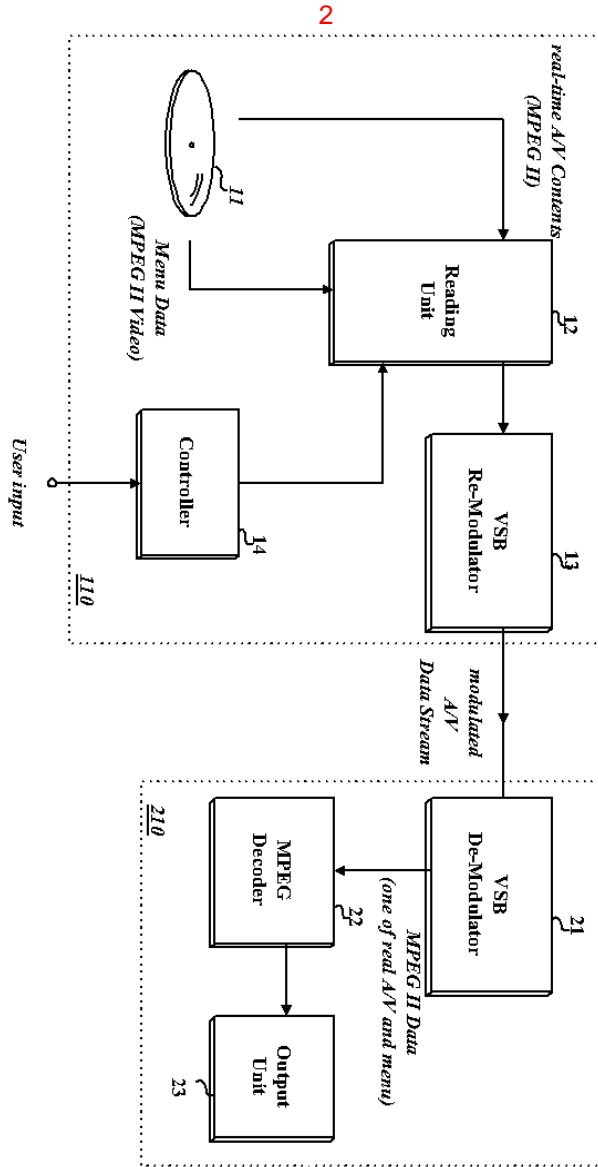
2 ;

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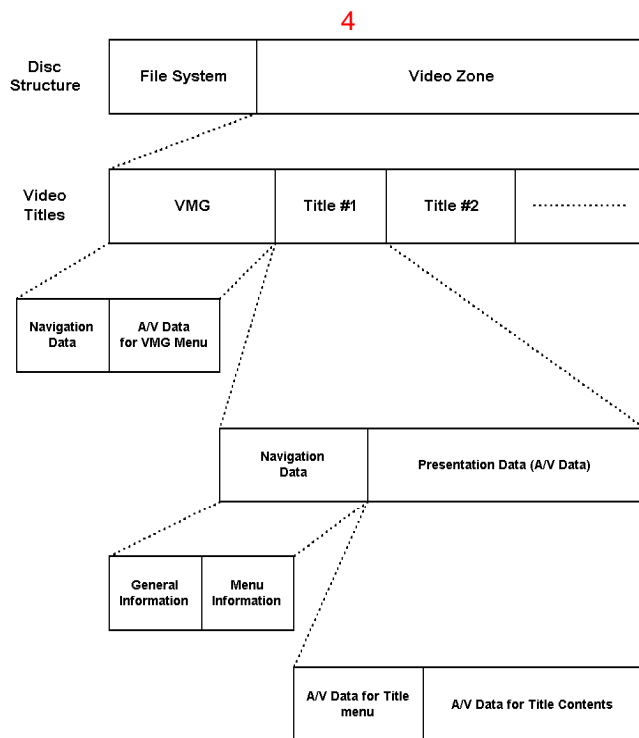
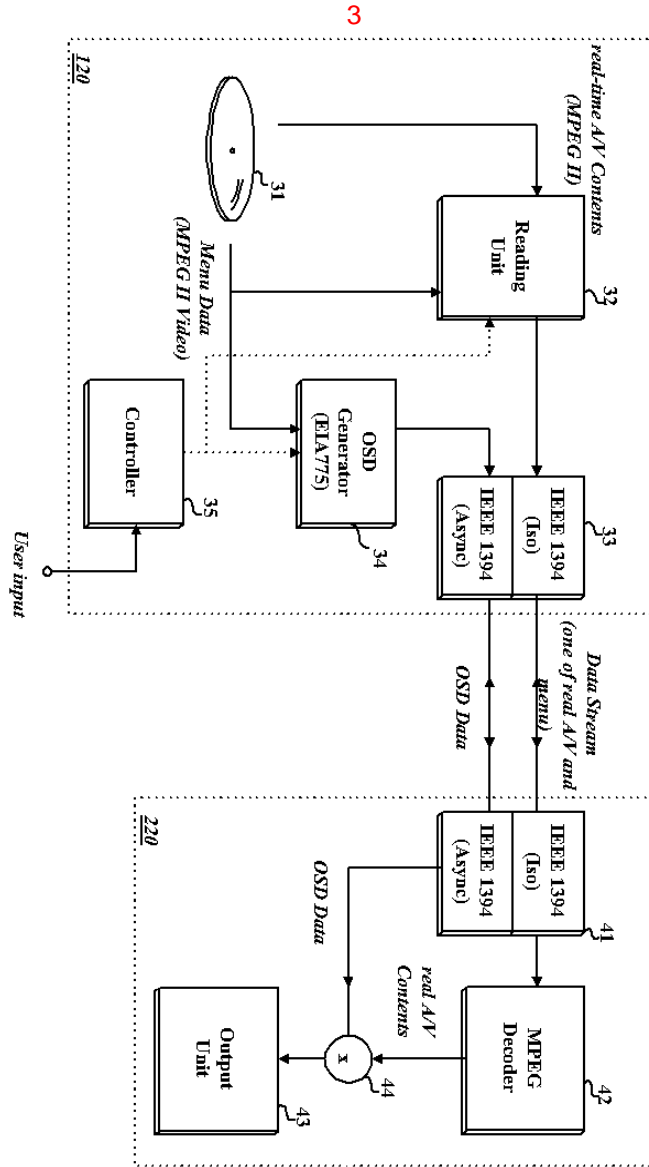
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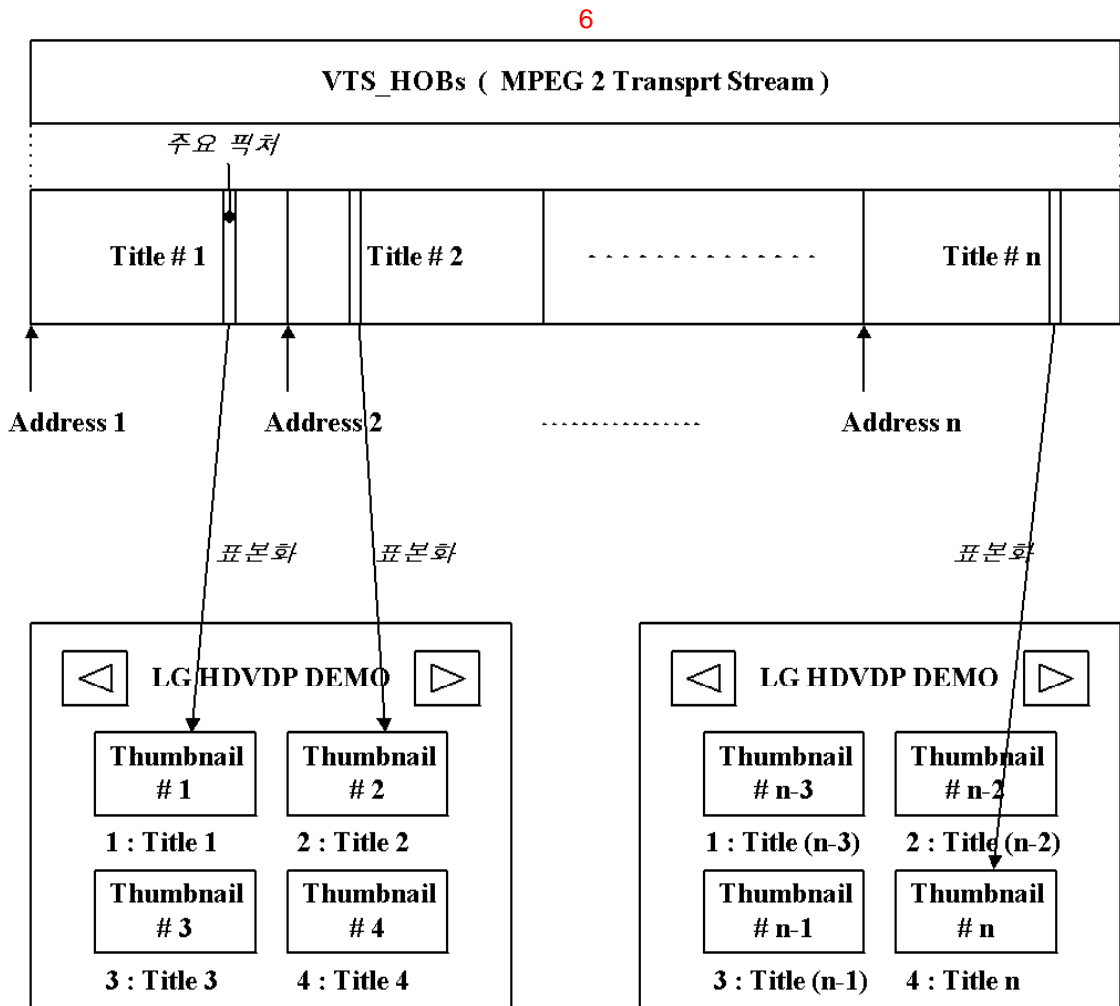
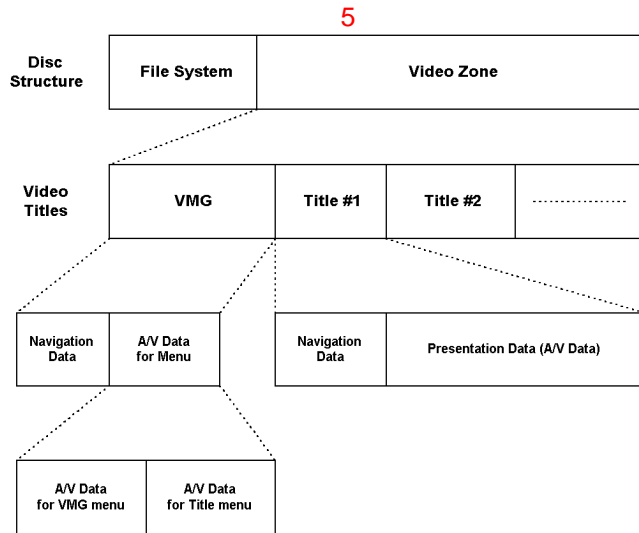
33 , 3 ,



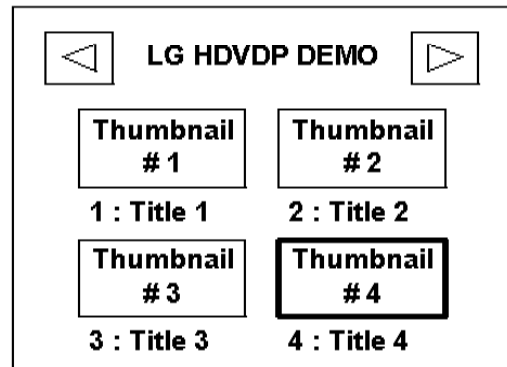
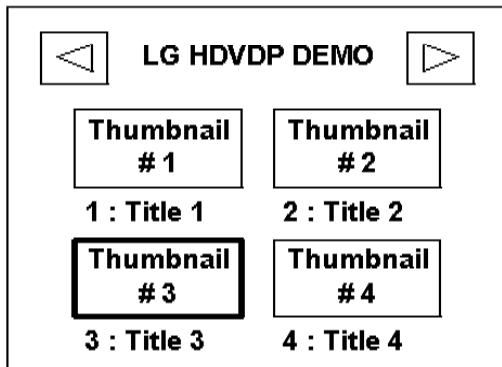
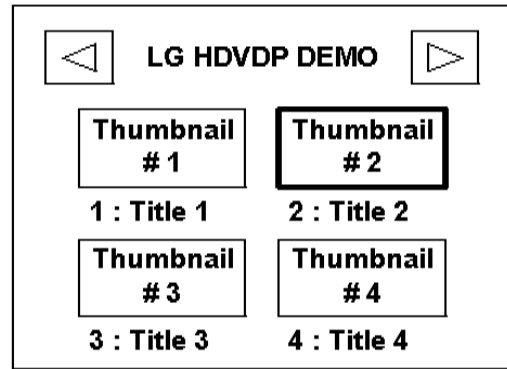
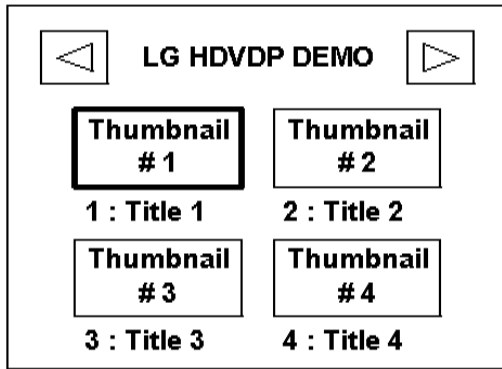
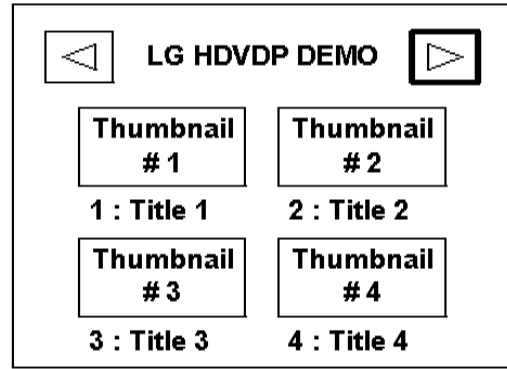
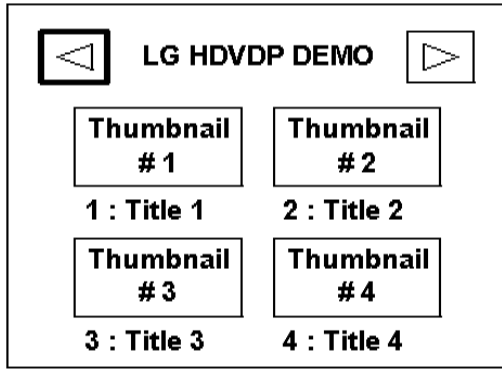









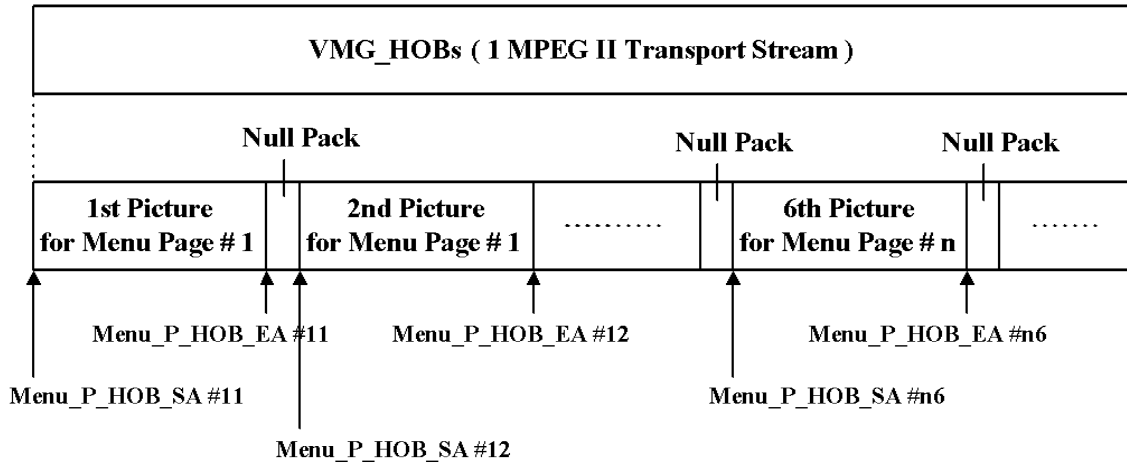
7



 : 선택된 메뉴항목의 표시

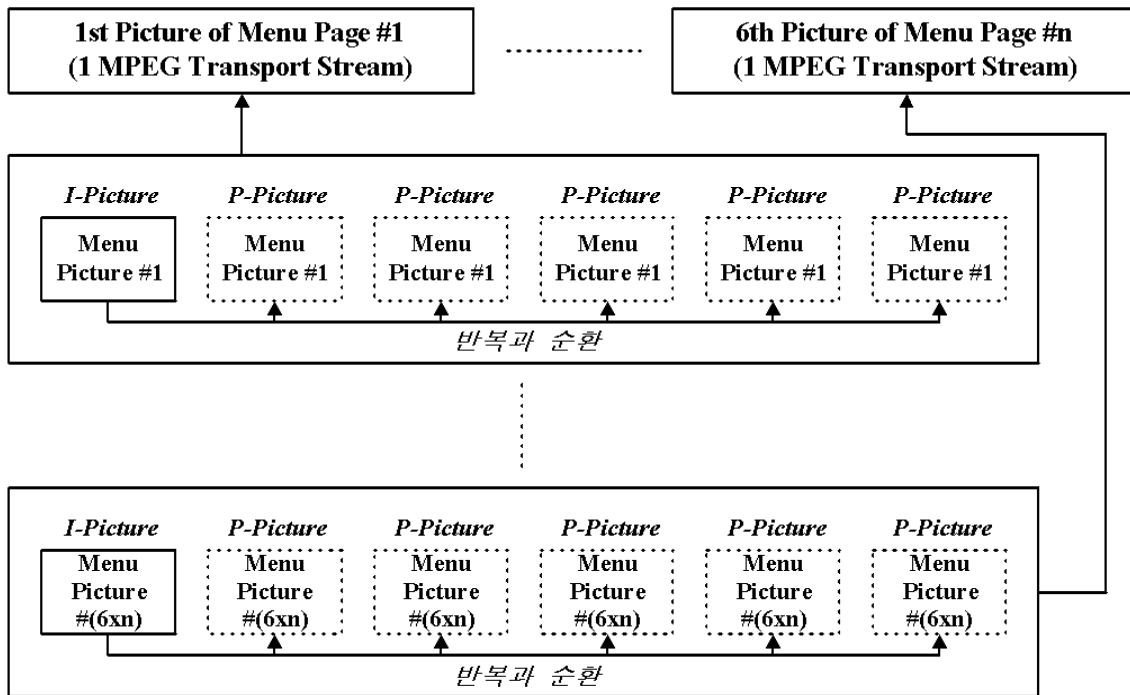
8

VSB 변조 전송방식에 대한 메뉴데이터 스트림의 구조



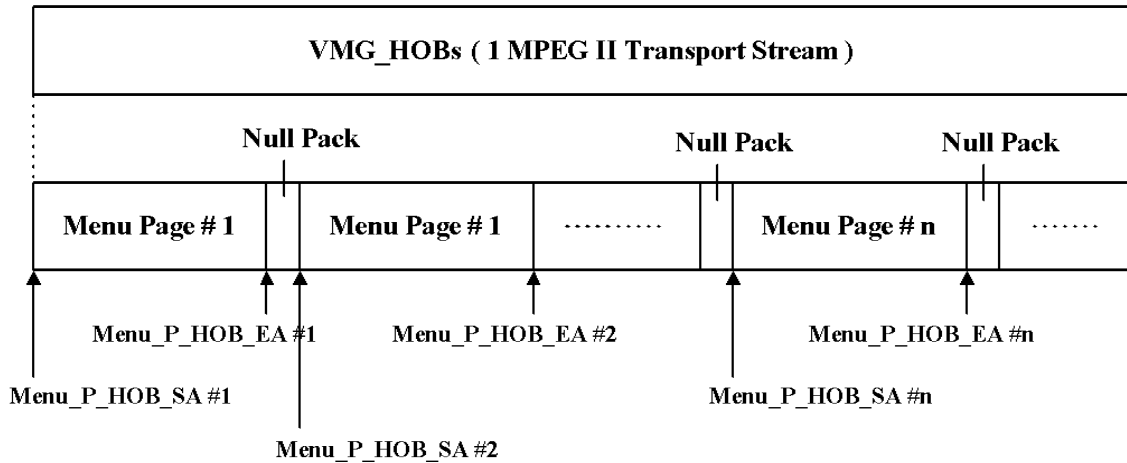
9

VSB 변조를 통한 메뉴데이터 전송방법



10

IEEE 1394를 통해 전송하기 위한 메뉴데이터 스트림의 구조



11

IEEE 1394를 통해 메뉴데이터를 전송하는 방법

