

(19)
(12)

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G11B 20/10

(45)
(11)
(24)

2002 03 22
10 - 0329391
2002 03 07

(21) 10 - 1999 - 0000602
(22) 1999 01 04

(65)
(43)

2000 - 0050606
2000 08 05

(73)

20

(72)

110

111 204

897 - 5

606 503

306

15

1 - 303

(74)

:

(54)

(SOBU)

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

100 : 110 :
 120: 130,210:
 140,250: 150,260:
 200: 220:
 230: (DVD) 240:

AM FM

가 , , , MPEG (Moving Picture Experts Group)

/

tream; TS) , MPEG (set top box) (transport s

IV

1 (IEEE 1394) (streamer; 200) (100), (100),
 (transport stream; TS)
 (140) (110)
 (120) AV (200) (200)
 IEEE1394 (130,210) (DVD) (230)
 (100) (200) (230)
 IEEE1394 (210,130) (120)
 A/V
 , DVD
 (Stream Object unit; SOBU, Mapping Unit: MA
 (SOBU)
 PU, SOBU .)
 (SOBU)
 2 (Pr
 ogram) (SOB:Stream Object) (SOBU) ((SOBU)
 SOBU) (Sector) (TSP)
 (Header) (HDRS)
 (HDRS) 100 (Sector) (TSP) 192
 2048 , 100 (HDRS) 1 , 192 2048 (Byte)
 가 28 (Padding) (2048 - (100 + (192 × 10)) = 28 (TSP) 10
) 100 (HDRS) (Sector
 Header) (TSP) 4 (T
 ime Stamp) 188 (Application Packet)

3 (HDRS) (Application Header) (Application Header)
 r) (Version) (VERSION);
 (APPLICATION_ID); (MAX_BITRATE);

2048 (250) (220)
 192 (TSP10) (Former TSP10) (Former TSP10)
 Latter TSP10) (Sector M - 1) (TSP1 TSP9) 2048
 가 (Former TSP10) (Former TSP10) (Sector M - 1) 2048
 가 (TSP1 TSP9 + Former TSP10) 가 2048 (Latter
 r TSP10) (Sector M)

(230) (230) (250)
 (Latter TSP10) (Sector M)
 eader) (COM_SZ) 6 (Application H
 (230) (Latter TSP10) 30 'COM_SZ'
 0111110 가 (COM_SZ) 가 가

100 (HDRS) 1 192 10 2048
 / 1 2 가
 (Application Header) (AP_PKT)
 _Ns) 가 가 가
 가 M - 2 가 11, M - 1 가 10, M 가 4가

(SOBU #k) 5 M 32
 , 31 (Sector M - 1) 32 (Sector M) 324
 (SOBU) 324 (Sector M)
 (Sector M) (SOBU # k) (32 × 2
 048) 32 (Sector M) 가 (Padding) ,
 128 (=2048 × 32 - (324 × 192+100 × 32))가 (Pa
 dding) , 886 (28 × 32)

9.

10.

, 1 ;
2
3

11.

10 , ,가
4

12.

11 , 4 ,
가 가

13.

12 , 4 , 가

14.

11 , 4 가

15.

10 , ,
4

16.

15 , 4 가

17.

15 , , .

18.

17 , , 가

19.

10 , 3 , 가 1 ;

2 ;

3

20.

19 , 2 가 , .

21.

19 , 3 .

22.

, ;

23.

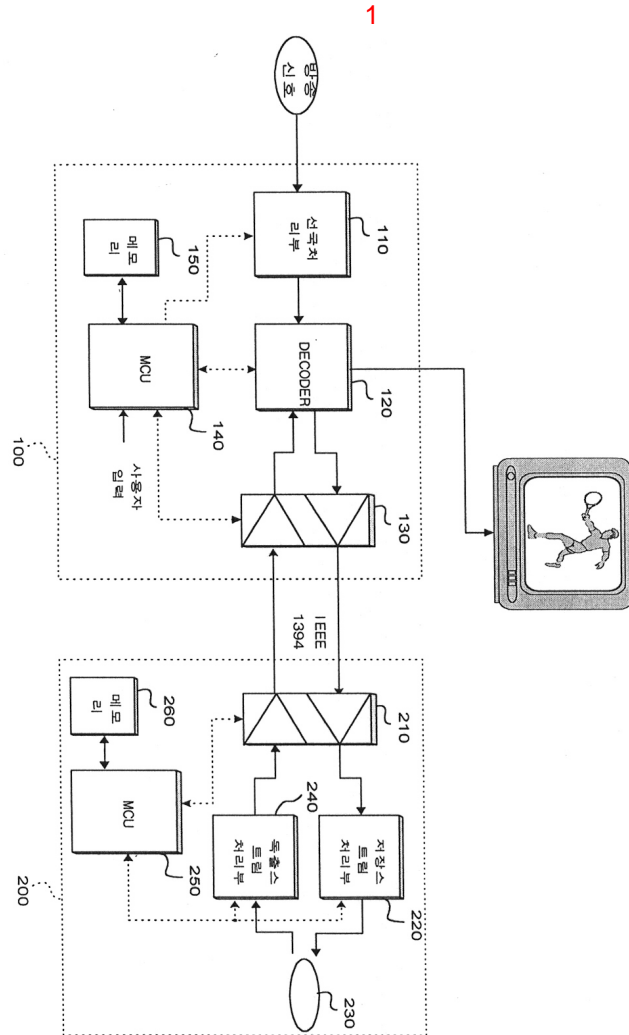
22 , , 가

24.

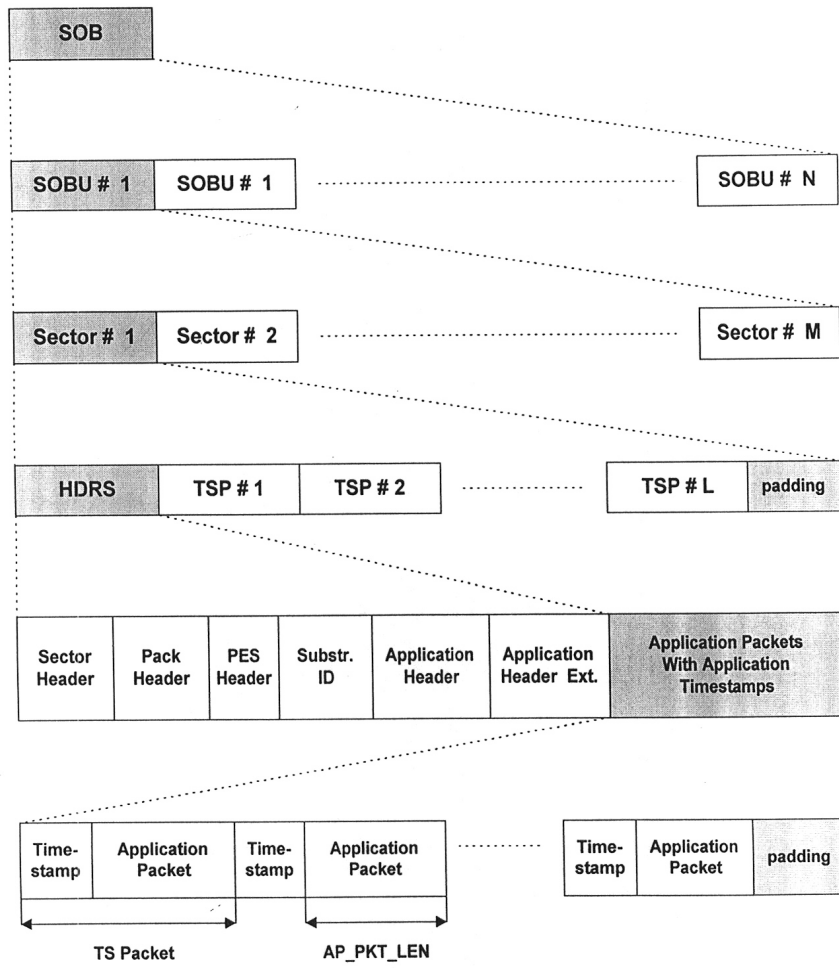
22 , ,

25.

24



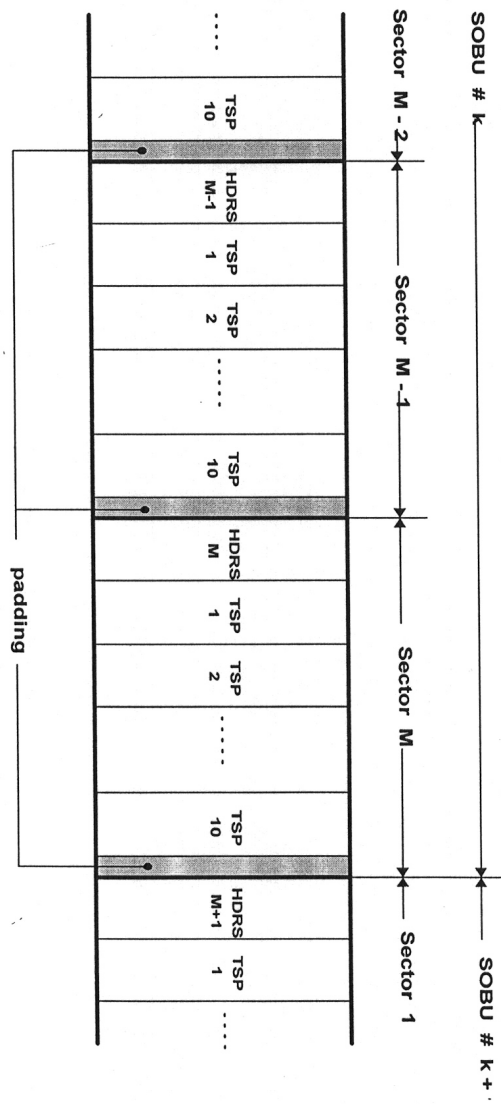
2



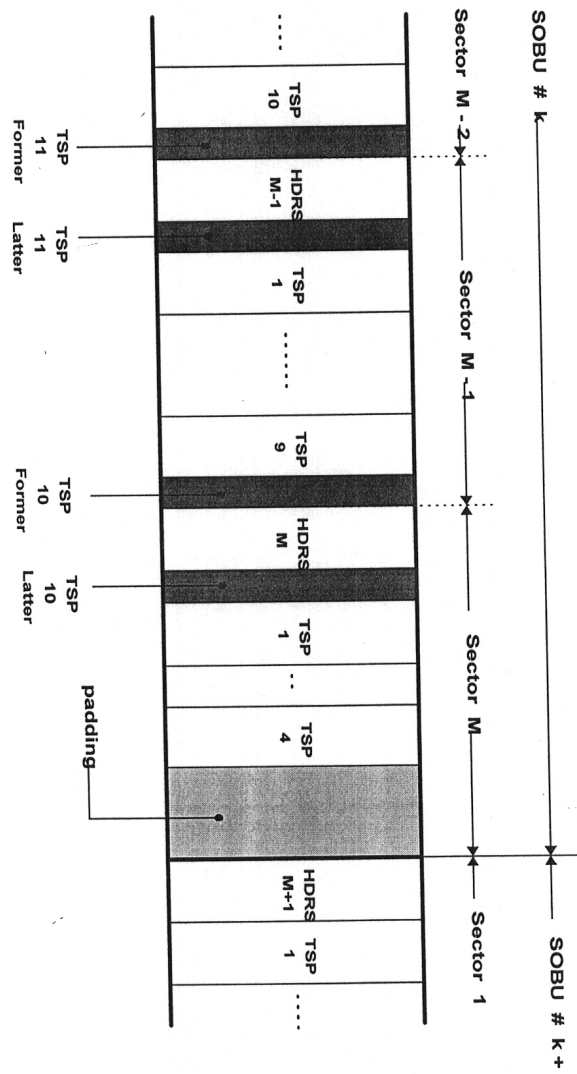
3

Application Header			
Field	Number of bits	Number of bytes	Value
VERSION	8	1	01h
APPLICATION_ID	16	2	
MAX_BITRATE	32	4	
SMOOTH_BUF_SIZ	16	2	'3540 bytes'
TS_REF_CL_FREQ.	32	4	'27MHz'
AP_PKT_LEN	16	2	
TS_LEN	8	1	04h
AP_PKT_Ns	8	1	
START_OF_STR	1	1	0b or 1b
END_OF_STR	1		0b or 1b
Reserved	6		111111b
Reserved	56	7	7x (FFh)
Total	200	25	

4



5



6

Application Header			
Field	Number of bits	Number of bytes	Value
VERSION	8	1	01h
APPLICATION_ID	16	2	
MAX_BITRATE	32	4	
SMOOTH_BUF_SIZ	16	2	'3540 bytes'
TS_REF_CL_FREQ.	32	4	'27MHz'
AP_PKT_LEN	16	2	
TS_LEN	8	1	04h
AP_PKT_Ns	8	1	
START_OF_STR	1	1	0b or 1b
END_OF_STR	1		0b or 1b
COM_SZ	6		
Reserved	56	7	7x (FFh)
Total	200	25	