(19)   **(KR)**
(12)   **(B1)**

(51) Int. Cl.⁶	(45) 2003 10 17
H04N 7/00	(11) 10- 0387458
	(24) 2003 06 02

(21) 10- 1995- 0042376	(65)	1996- 0020466
(22) 1995 11 21	(43)	1996 06 17

(30)   346.950   1994 11 30   (US)

(73)   ,
         46290- 1024   10330

(72)   ,   46268,   ,   71   3655

(74)

       :

(54)

                      (20, 25)   1   2
              (18)   .
            (30)   .
                 (35)   /   .

     1

    1   HDTV   .
    2   .
*
18:          20, 25:
27, 73:   30:
35, 85:

(HDTV)

(contiguous data)

(interleaver) ,   (deinterleaver) .
  /   (scrambling)

(timing recovery)   ,

  /   IEEE
(1971   10 , COM- 19)   'Burst- Correcting Codes for the Classic Bursty Channel'   For
ney   .   IEEE   (1970   5   IT - 15)   'Realization of Opt
imum Interleavers'   Ramsey
            ,   (IC)

                                            (adaptive)
      ,   /
            , IC

  1   (18)   HDTV
 (10)   HDTV   (12)   .   (12)
                    IF   .   ,   (12)   ,   ,   /
                                          .   (12)   (14)

            ,   Lee   Messerschmidt(Kluwer Academic Press, Boston, MA, USA, 1988)   'Digital Communicati
on'   .
    /   (14)   (18)   (27)   (35)
                        .   (27)   ,

                                                    15

                                                        (27)   1   2
 ,   .   ,
 (20,25)   ,   (30)   (35)   (35)
              (18)   ,   (20)   (25)
                                                  .   ,   (20)   (Ramsey)
              ,   (25)   (Forney)   .
          (logic state machines),   ,   ,

                                                      2
          .   .
                        .   1   .
          ,   HDTV   (18)
                      .   ,   (18)
          .   ,

(20,25)   (30)   (35)   (,
)   .   (35)   2   (   )
                                              .   (20,25)
              (27)   (35)   (20,25)
    .   (30)   .   (20, 25)
(35)   .   (20, 25)
          (35)   .   (20,2
5)   (35)
          .   ,   (35)
                                        .   ,   ,   (   )
          (35)   .
          ,   (18)   (   )
          .   ,
    .
    (35)   (38)   .
    ,   .
    .   .
                              .   (38)   ,   -
    (Reed- Solomon decoder)   (40)   .   (40)
          (44)   ,   .
          (44)   (46)   .   (46)
                    (52)   (50)   .   (
50,52)   (55)
                    2   .
                    (70)   .   (70)   2
    .   ,   (loader)(75)   (80)   .   ,
    (70)   (80)   (75)
                    .   (75)
    .   1
    .   (75)
    .
                    (74)   .   (73)   (80)
                                        (80)   1
          .   (80)   (85)
          .   ,   (80)
    (85)   .   ,   (85)   (70)
          .   (80)   1   (20,25)
    .
    HDT V   ,
                                                        .   ,   1   2
                                                              (20,25,80)
                                        .   ,   1   (20,25)
    .   ,   1   2   (20,25,80)
    .   1   .
                              (35   85)   ,
                                        .   ,
          ,   .
              1   .
                              .   ,   3
    (tri- state buffer)   .
          ,   3   ,
    .   (30)   .
2   .   ,   2
          (20,25)   .   ,   (18)
    3   (   )
    .

(57)

1.

    ,

(10- 14) ,   (38- 55) ,

                      (18)   ,   (

18)   (35)   ,   ,

(18) ,

    ,

      1   (35)

1   (20) ,

2

(35)   2   (25) ,

(35)

(30) ,   1   2   (20,25)

1   2   (20,25)

    ,   ,

.

2.

1   ,

(20,25)   ,

.

3.

1   ,

(20,25)   ,

.

4.

1   3   ,

(10- 14)   (14)   ,   (38- 55)   (40)

(40)   (50)   ,

.

5.

1   3   ,

    ,

1   2   (20,25)   (27)

.

6.

1   3   ,

(10- 14)

  ,   .

1

2

디인터리버
메모리 데이터

디인터리버
메모리 데이터

70

디인터리버
선택

73

동기화기

디인터리 콘트롤

75

85

체크리

80

메모리 재생기

디인터리브
데이터