



izing) MPEG (embedded res

(DCT: discrete cosine transform) MPEG-1, MPEG-2, MP  
 EG-4, H.262 DCT/  
 MPEG-2가 DVD, DTV , ATSC 가 ,

가 MPEG (HDTV) 가 (HD) (SD)  
 , MPEG-2 HD SD (do  
 wn scalers)

MPEG-2 1 가  
 (VLD)(2), (ISIQ: inverse-scan and inverse-quantization) (4), 4x4  
 (IDCT) (6) 1 가 2 VLD(2), (10), 1/4  
 (12) 가 (8) , 1 2  
 , 1 (2, 4, 6) , 2 (2, 10, 12)  
 (14)(frame store)

(10) 1  
 , 1/4 , '1/4', '1/2', '3/4' 가

, 1/4 MC (12) (14)  
 (MV)가 , MC (12) MV  
 . MV가 가 , MC (12) MV  
 , 가 가 MV

MPEG-2가 MC가 (fetch) , 2 , MC MC  
 MC ,



MC , MPEG-2 가 가 가 (15)

가 가 가 1/2

MPEG

MPEG-2 4 1 2

1/4 MC (16) 1 (2, 4, 6) 1 2

(2, 10, 16) 가 (8) , 1 2

1/4 MC (16) (10) 1

MC (16) 1/4 MC (16) 가 5 , 1/4

(18-32) (18)

MC가 가 MC가

MPEG-2 , MC가 (30) 가 ,

(18) , MC가 (30) 가 ,

20) MC (18) MC가 (

(20) MV가

가 가 (30) 가 (22)

(22) (MV)

, MV 가 1 가

(MV) 가

MV가 '1/4' '3/4' (26)( 2) (26) , '1/4'

'3/4' MV '1/2' , MV=1.25 '1.5' , MV=3.75

'3.5' (bar) , 6 (a) (b)

(b) , MV '1/2' (flat)' (6a)

, 1/2 MV '1/4' MV

가 가 MV 가

'1/4' '3/4' MV '1/2'

5 가 , MV가 1/2 (28)( 3) (28) ,

'1/2' MV 가 가 , 7 (a) , MV=1.5가 '1' (b) MV=3.5가 '3'

(7b) , MV  
(7a) , MV가 , '1/2' , '1/2' MV '1'

MV가 (24)( 1) (24) , MV 가 가  
, 8 (a) , MV=3 , '2' '4' (b)

(8b) , MV=2 (8a) , MV=1  
(forward order) , '1' MV '0' '2'

5 가 , 가 (24, 26, 28) MV (30)  
MV (30) 가 가 MV가

(30) (32) 가  
(18) 가  
(34)

5 (20) , MV가 MV  
8

가 , ,

(20) 9 가 1 , 'diff' 0  
4 j, j+1 가 (2) (i) (i) (i) (2) (2)  
가 (i) (2) (i) (2)

5 , (diff)가 6 (diff) (h/2) (diff)  
(i)

6 , abs(diff) 가 , 20  
가 . abs(diff)가

11 MPEG  
(DVR), TiVO (PDA), (VCR) / ,  
(38) (40) (36), / (44),



1 5.

'1/4' '1/2'

1 6.

'3/4' '1/2'

1 7.

'1/2' 가

1 8.

1 9.

9 10.

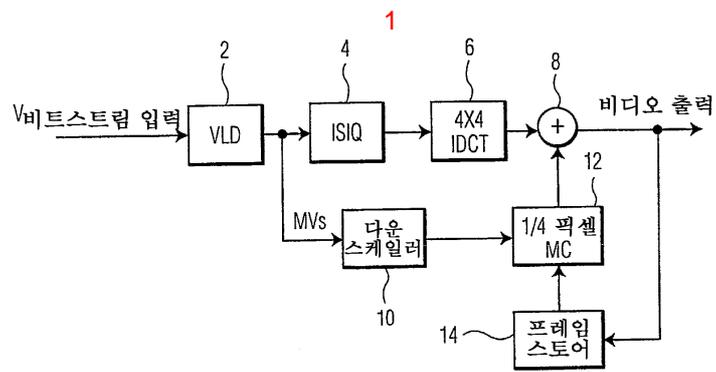
11.

1 ,  
2 ,

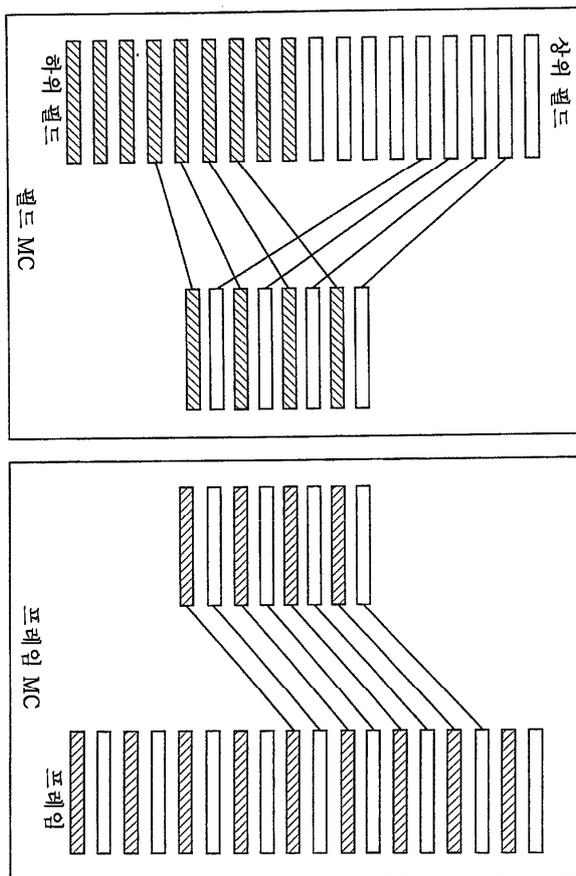
가 ;

2 ,

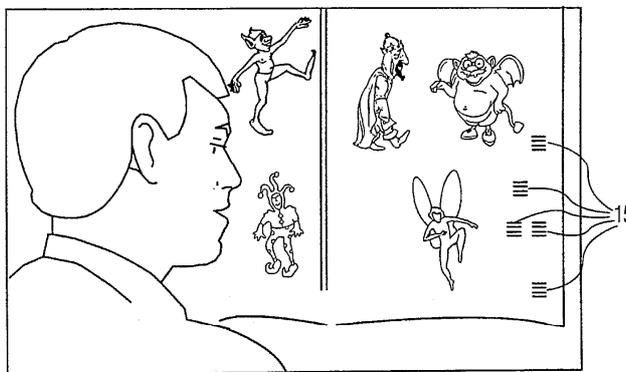
12.



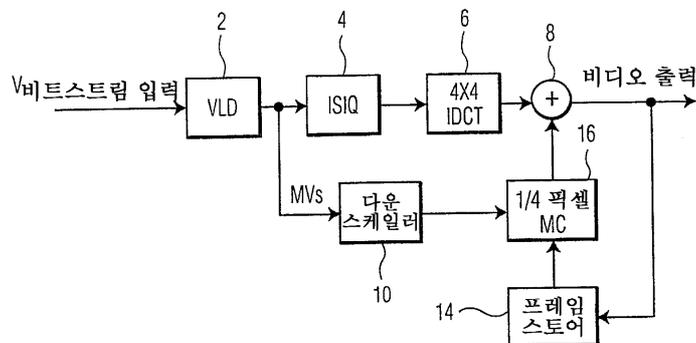
2

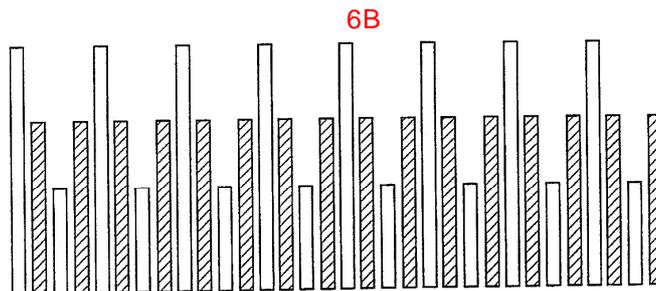
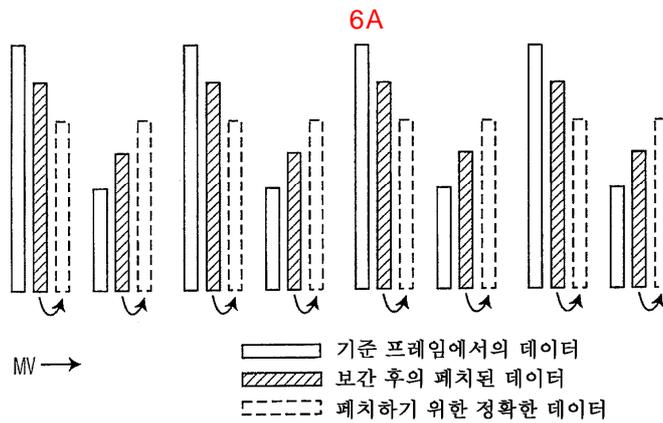
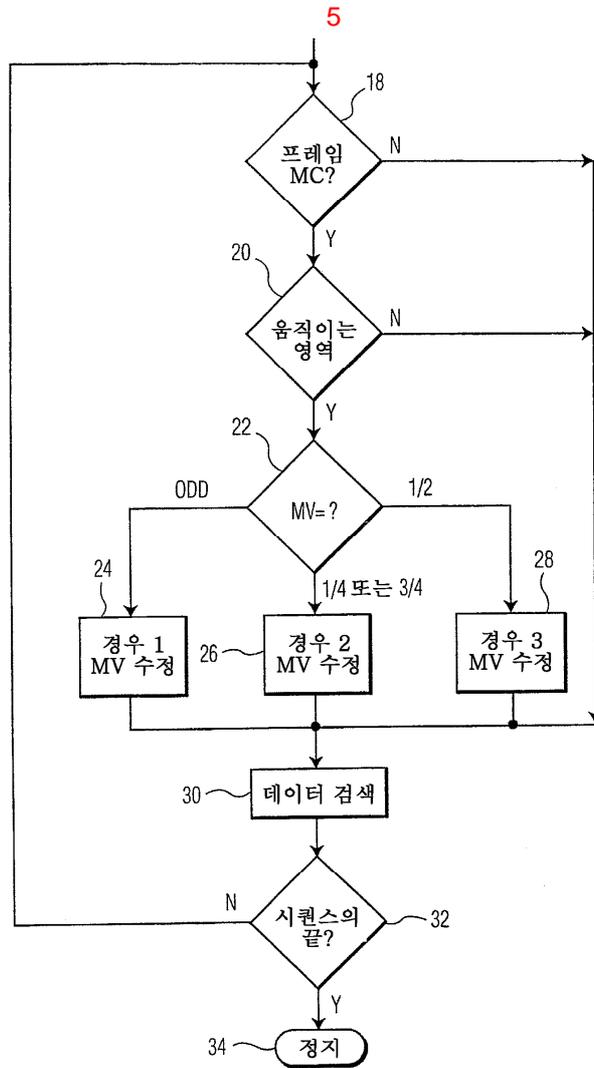


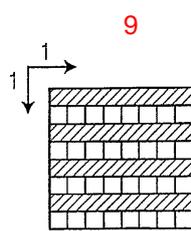
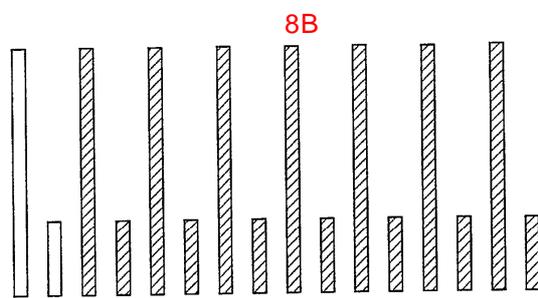
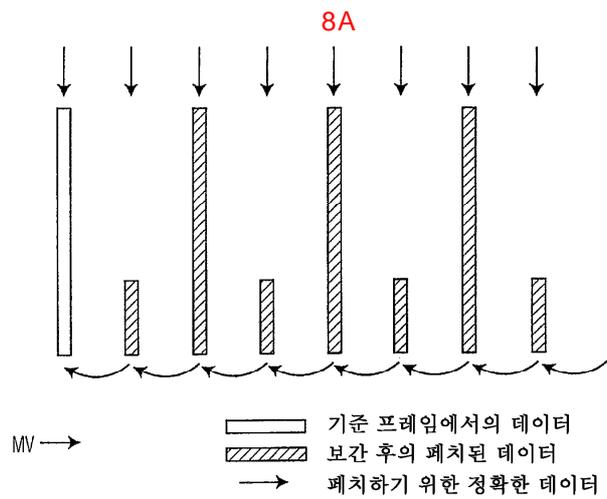
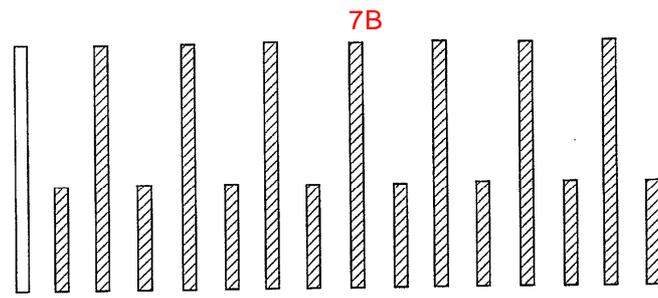
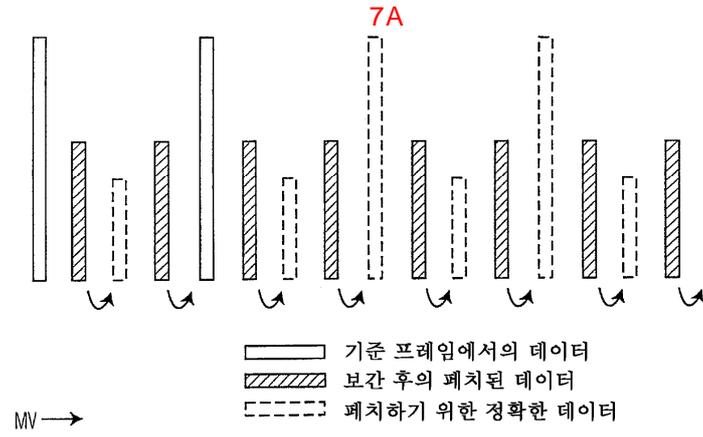
3



4







10

```

diff = 0;
for (selected i) {
    for (j=0; j<h; j+=2){
        diff += src[j][i] - src[j+1][i];
    }
}
diff /= (# of selected i) * h/2;

if (abs(diff) > threshold) {
    moving area;
} else {
    no moving area;
}
    
```

// 차  
// 각각의 선택된 컬럼 i  
// 각각의 인접한 픽셀들의 쌍  
// 차 및 누적 계산  
  
// 평균

11

