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10-2003-0094915  
2003 12 18

(73)

20

(72)

105 1007

1 759

101-801

(74)

:

(54)

1

1

2

3

가 , (genre) , 가

EPG , (a) , (b)

가 , (c) , (d)

가 , (e) , (f) , (g)

(d) 가 , 가 , 가

가 , 가

가 , (a)

, (b) , (c)

, (d) , (e)

, (f)

1 , , 1

2 4

100 가 (EPG)

EPG

110 ,

( 120).

( 130).

120 140 ( 140).

150), ( 160), 120 가

가

2 , EPG

( 210).

가

가

1 , 가

[ 1 ]

	O	O	X	O
	O	O	X	X
	X	O	O	O
	O	X	X	X
	O	X	X	X
	X	O	O	X

Up, Down, Reft, Right, - (Zoom-In), - (Zoom-Out)

1 , 가

가

(1) (Local Variance)

(D L)

(2) (Histogram)

가 3 , 3 ,

3 X

, Y  
 Ci 16  
 1

$$h(F_m \cap F_{m+1}) = \frac{\sum_{i=0}^N \min(H_{C_i}(F_m), H_{C_i}(F_{m+1}))}{\sum_{i=0}^N H_{C_i}(F_m)}$$

, F<sub>m</sub> F<sub>m+1</sub>, H<sub>C<sub>i</sub></sub>(F<sub>m</sub>) H<sub>C<sub>i</sub></sub>(F<sub>m+1</sub>) Ci  
 2 2  
 0.0 - 1.0

$$h(Q \cap T) = \frac{\sum_{i=0}^N \min(H_{C_i}(Q), H_{C_i}(T))}{\sum_{i=0}^N H_{C_i}(Q)}$$

3 D<sub>h</sub>

$$D_h = 1 - h(Q \cap T)$$

(3) (Entropy)

D<sub>e</sub> 4

$$D_e = E_m + E_{m+1}$$

(4) (Camera Motion)

6 Left, Right, Down, up, Zoom In, Zoom Out

(Motion Vector)

4가

가

2 210

가

( 220).  
 ( 230).

가

가

2

[ 2 ]

	가			
	w <sub>l</sub>	w <sub>h</sub>	X	( )
	w <sub>l</sub>	w <sub>h</sub>	X	( )
	X	w <sub>h</sub>	w <sub>e</sub>	( )
	w <sub>l</sub>	X	X	( )

	$w_l$	X	X	( )
	X	$w_h$	$w_e$	( )

$D_L, D_h, D_e$  . 3

[ 3 ]

	$D_L$	$D_h$	X	O
	$D_L$	$D_h$	X	X
	X	$D_h$	$D_e$	O
	$D_L$	X	X	X
	$D_L$	X	X	X
	X	$D_h$	$D_e$	X

가 가 가 , 가  $D_{total}$  ( $D_{total}$ )  
5

$$D_{total} = w_h D_h + w_e D_e$$

가  $w_h$   $w_e$  2 가  
가  $D_h$   $D_e$  230 ( $D_{total}$ ) ( $D_{total}$ )  
( 240). , ( $D_{total}$ )  
, 240 ,  
, ,  
, 6  
( 250). ,  
( 270). 250 가  
( 260).  
, 4 ,  
, ,  
, ( 400). ,  
( 420). ( 410). ,  
, ( 430). ,  
( 440). ,  
,  
, ( 450). , ( 460)

( 470).

(Query)

가

ogeneous Texture)

(Hom  
10

가 가

가

가 가 가

, EPG

(57)

1.

(a)

(b) 가 (EPG)

(c)

(d)

(e)

(f)

2.

1

(d)

가

가 가

가

3.

1

4.

1

가

가

5.

(a)

(b)

(c)

(d)

(e)

(f)

6.

5

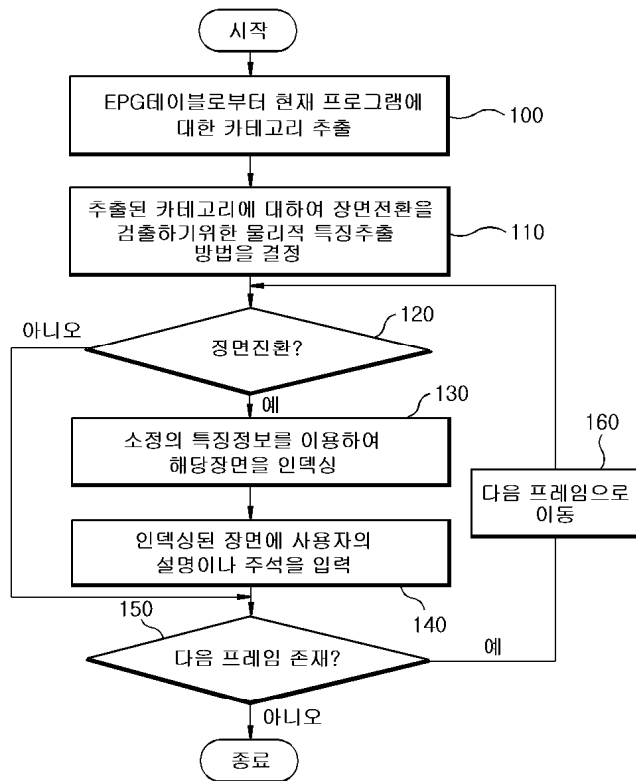
7.

5

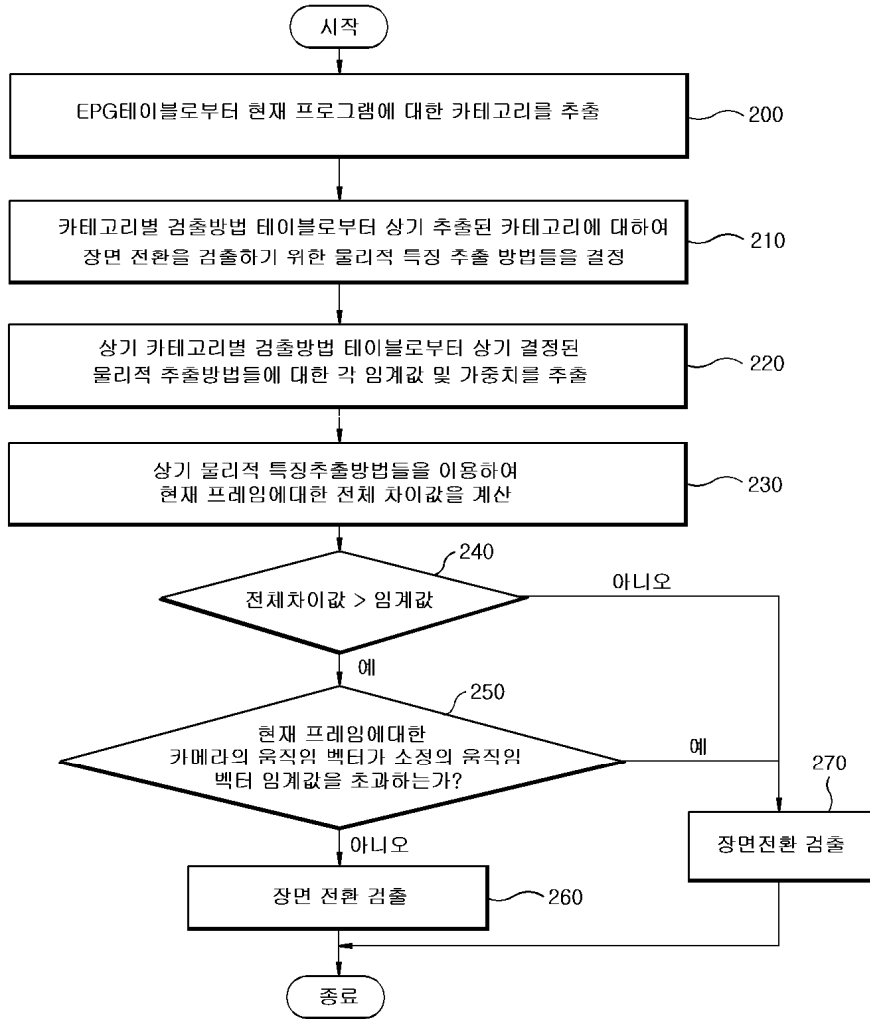
8.

7

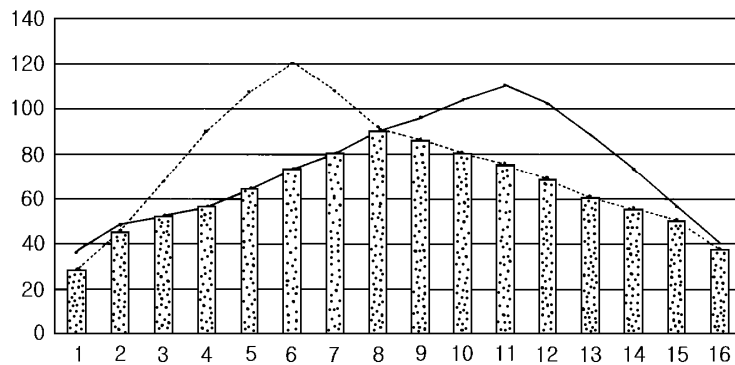
1



2



3





4

