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(87)

2003 07 31

(30) 02075251.5 2002 01 22 EP(EP)

(71) , , 1

(72) -5656 . 6

-5656 . 6

(74)

:

(54)

(cover) - (non-overlapping blocks)
 , 가 (post-processing)
 VLC (VLS) . VLC
 VLC

1

VLS, , , - ,

(post-processing)

가 ,

가

JPEG, MPEG, H.320

, MPEG MPEG-2

PEG-2 가 , , , 20, CH1211, ISO/IEC

56(ISO/IEC Copyright Office Case postal 56, CH 1211, Geneva 20, Switzerland)

EG-2 ISO/IEC 13818-1,2,3

M

가 MP

MPEG-2

(layered structure)

'GOP'

가

, ,

(I- ,), I-

P- (P-),
GOP (bi-directionally interpolated frames)(B-) MPEG
(access points)

I-

MPEG-2 , I-

' (intra)'

DCT(discrete cosine transform)

oken)

MPEG-2

DCT

8 × 8

P-

(temporal redundancy)

(exploit)

(difference signal)

DCT

GOP

DCT

가

(VLS)

가

(VLC)

, MPEG-2

가

가

, ,
가
, ±10

EP-A2-0 599 257

(cover)

(non-overlapping blocks)

(post-processing)

가

가

,

,

,

,

,

,

,

가

(artefacts)

(-1,+1)

(-1,1)

(-1,+1)

()

가

()

,

()

1

,

2

, 3

가

3

,

4

,

가

가

,

가

(electrical quanti

ty) ,

(-1,+1)

I) / / (incoming/outgoing information signal

, , / , , (2) , / (-1,1)
 () - , () - , () (-1,+1) , ,
 , / , ,

가

가 10% ()

1 8 x 8

2a

2b 2a

2c 2a

, MPEG-2 가

MPEG-2

MPEG-2 , Y U V , I-

, U V , DCT , DCT Y,U V 8 x 8 ,

$(-1, 1)$, - () , ,
 $(-1, +1)$, ,
 $()$ 가 , () ,
- ()
,
 (Q) ,

3.

2 , ,

,

4.

3 , ,

3 가 , ,

5.

2 , ,

,

6.

2 , ,

,

7.

2 , ,

,

8.

2 , ,

,

(quantization step)

9.

1 2

가

10.

(Q) , (Q) , (Q) ,
 (Q) .

11.

(1) , (1) ,

 $(-1, +1)$

(2) ,

12.

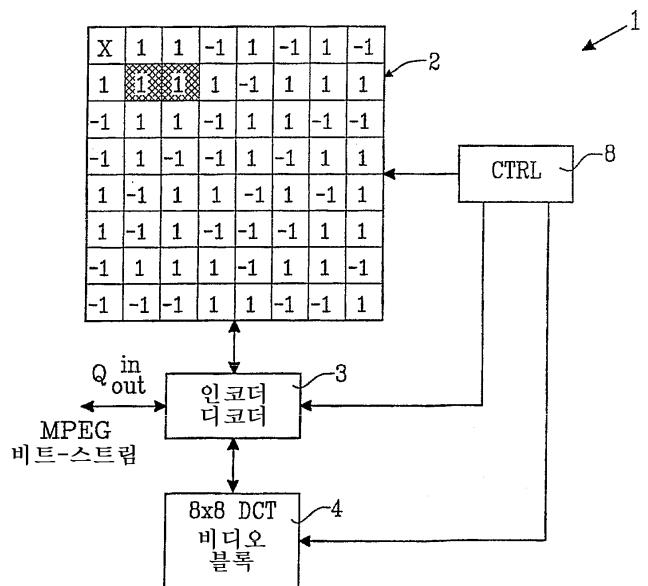
(1) (Q) , 11

13.

1

1

2a



2b

DC	0	2	0	0	0	0	0
3	-1	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

4

2c

DC	0	2	0	0	0	0	0
3	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

4