

(19)
(12)

(KR)
(A)

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G02B 15/15

(11)
(43)

10-2004-0039913
2004 05 12

(21) 10-2002-0068150
(22) 2002 11 05

(71) 416

(72) 3 1 apt122 705

(74)
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(54) 가

가

가

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가

2

3 1

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가

(a) ;

(b) ; 가
(c) ; (a) (b)

1 가

1 가

1 (100) (110), (115), (120), (125),
(Photo Interrupter, 'PI')(130), PI(135), (140), (145), /
(150), AD (155), (160), (165) (170)

(110) / (zooming)
(120) (, ' ') (, ' ')

(115) (focusing) (125)

5) (120) (125) (140) (110) (11

PI(130) PI(135)

(120) (140) (115) (190) (110)
(125)

(145) (110) (115) (Charge Coupled
Device)

/ (Correlated Double Sampling/Automatic Gain Control)(150) (145)

A/D (155) / (150)

(Digital Signal Process, 'DSP')(160) A/D (155)
 (Y) (Cb, Cr) , DSP(160)
 ODM(Optical Detection Module) (Band Pass
 Filter)()
 , 가 (peak dat
 a)
 DSP(160)
 (170)
 (165) (EEPROM) (170)
 가 (165) (170)
 (170) DSP(160) (200)
 가
 2 , 3 1
 2 , 가 ,
 가
 2 , 가 , z
 oom_ref focus_ref , T.P(Turning Point)
 , zoom_T.P focus_T.P
 , 2 ,
 , 가 (,)
 1 3 , (120) (125)
 , (170) (zoom_ref, focus_ref)
 (zoom_ref, focus_ref) (preset) , PI(130) PI(135)
 (S305).
 T.P) , (170) (zoom_ref) (T.P) (zoom_
 가 (T.P) (zoom_T.P)
 (S310).
 S310 가 , (170) (zoom_T.P) (z
 oom_tele) ,
 (zoom_tele) (S315).
 S315 가 , (170) (zoom_tele) (zoom_T
 .P) (S320).
 T.P) , (170) (zoom_tele) (zoom_
 (focus_T.P_1)

(zoom_T.P_1) (focus_T
.P_2) (zoom_T.P_2) (zoom_T.P_1)
, (zoom_T.P_2)
(165) (S325).

S325 가 (170) (zoom_T.P)
1 (zoom_te_1) (S330). S330
S320 . S330 (165) (S
335).

S335 가 (170) 1 (zoom_te_1)
2 (zoom_te_2) (S340). S340 S320
. S340 (165) (S345).

S345 가 (170) 2 (zoom_te_2) (zoom_T.P)
(zoom_wide) 3 (zoom_wi_3)
(S350). S350 S320 . S3
50 (165) (S355).

S355 가 (170) 3 (zoom_wi_3) (z
oom_wide)
3 (zoom_wide) (S360).
가 (170) (165)

m_te_1, zoom_te_2, zoom_wi_1) , (zoo
가 (165)
10 .

(170) 2 가
(170)
(170) (100) (100)

가 , 가가 ,

가 ,
가

(57)

1.

가

가 .

1 2. ,

가 .

3.

) ;

(a

가

(b) ;

(a)

(b)

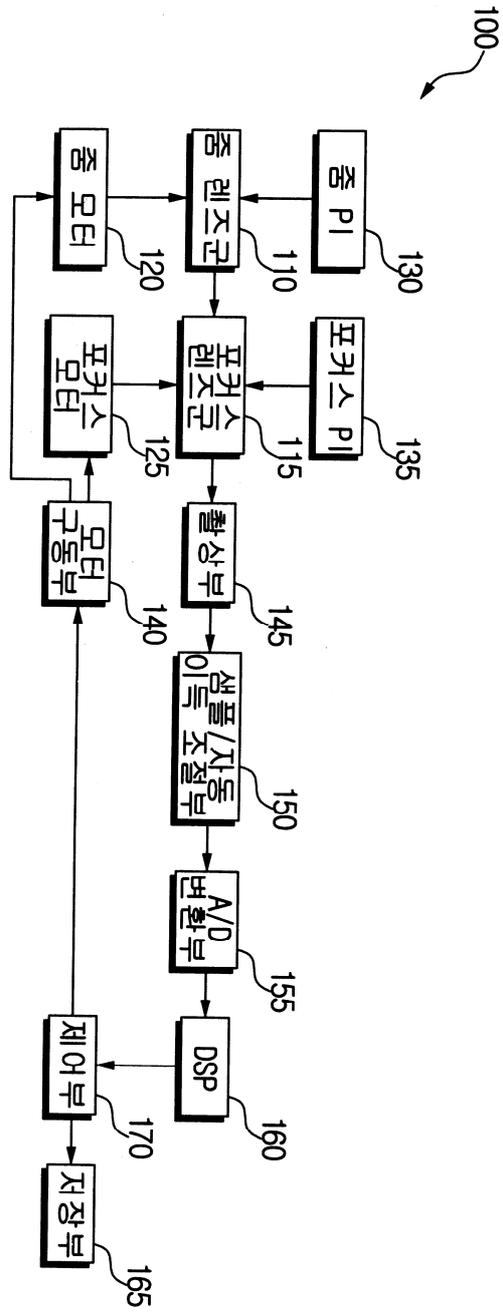
(c) ;

가 .

3 4. ,

가 .

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