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10-0448392
2004 09 02

(21) 10-2002-0059492
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(65)
(43)

10-2004-0028338
2004 04 03

(73) 231

(72) 1274 509 902

(74)
:

(54)

;
 ;
 ;
 ; (AMP)
 ; / (A/D)
 ; (APS) (RPM) / (RPM)
 ; (MAP) (A/D)
 ; 가 (PID)
 ; (ECU) ; (ECU) (PID)
 ; (ON) (PID)

1
2
3

S) (ECU)가 (RPM) (AP (PID
; Proportional Integral and Differential) (MAP) (AP
(ECU) (APS) (RPM) (MAP)
(AMP) (AMP) (AMP)
(Fail Safe)
1 / (S110~S11
2). (ECU) (S114~S118). 가
가 0.3 가 가
' < < ' 가 0.3
(FAIL SAFE) (S120).

(AMP) ;
(RPM) / (RPM) (A/D) ; (APS) (MAP)
/ (A/D) 가

(ECU) (PID) (PID) (ECU) ;
(PID) (ON)

(220), (230), (240), / (A/D) (210), (260)(ECU),
(270) (210) (220) 1 (210)

(230)
(230) (Inductance Bridge)
(240) / (A/D) (250) (220) (AMP)
(240) (230) ()

/ (A/D) (250) (230) (260)(ECU) /
(A/D) (250)
/ (A/D) (250) 10ms (260)(ECU) 10ms

(260)(ECU) (262)(APS) (RPM) (264)
(RPM) (MAP)
(260)(ECU) (262)(APS) (RPM) (264)
(MAP)
(260)(ECU) (262)(APS), (RPM) (264)
가

(260)(ECU) / (A/D) (250) 가

(PID ; Proportional Integral and Differential)

(ON) (270) (260)(ECU) (PID)
(270)가 (ON) (PID)
(220)

1 2 (230)
(260)(ECU) (230) /
(250) (S310~S312).
/ (A/D) (250) 10ms (260)(
ECU) (S314).
가 (PID) (S316
~S322, S324~S328). (260)(ECU) (
270) (OFF) (S314) (PID) (S324~S328). 가
(PID) 가
가

(S314) (270) (ON) (PID) (260)(ECU)
(270)가 (ON) (PID)
(220)

(S318) (S320). 가 (S322) (230)
(Fail Safe) (PID)

가
(57)

1.

; ; ; (AMP) ;
; / (A/D) ;
(APS) (MAP) (RPM) / (RPM) ;
(A/D)
가 (PID) ;
(ECU) ; (PID) (ON)
(ECU) (PID)

2.

; / ;
가 (PID)

3.

2 (PID)

4.

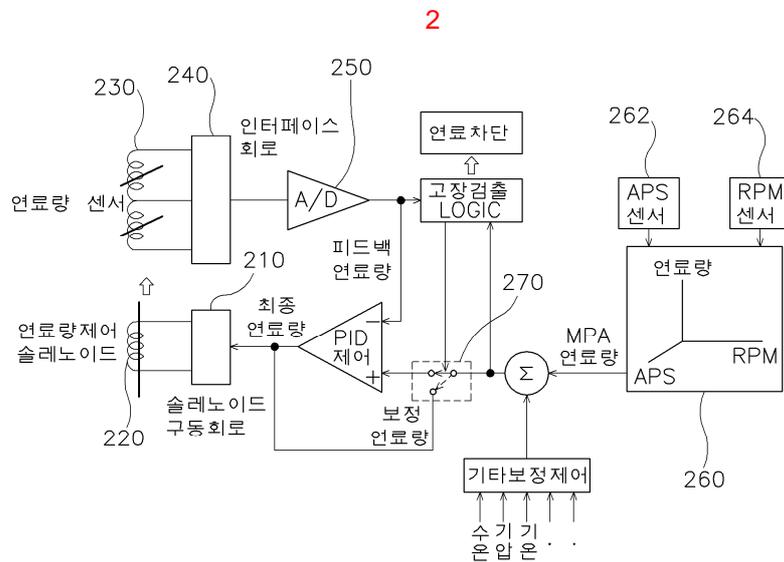
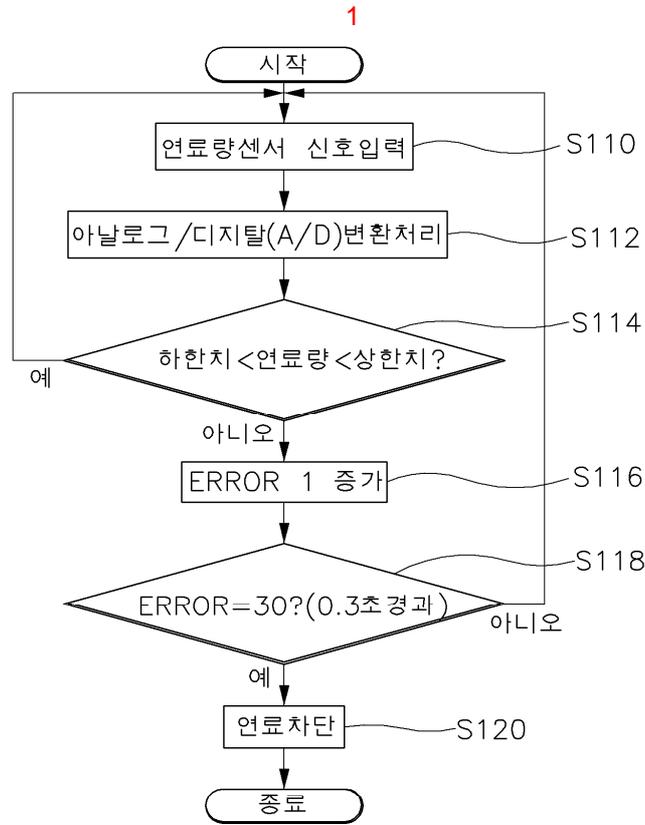
2 (PID)

5.

4 가 ; ;

(Fail

Safe)



3

