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(KR)  
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(51) 。 Int. Cl. <sup>7</sup>  
G08G 3/00

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2002 - 0018837  
2002 03 09

(21) 10 - 2000 - 0052128  
(22) 2000 09 04

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(72) (10) (20) .  
 (72) (50) (72)  
 (20) (80) , (80) (72)  
 (20) . (90)  
 (50) (20) (90)  
 (15), (20) (16) (11), GPS (12), (19), (13), (14),  
 (80) (90) (71) (10) (72)  
 (20) 가 .



, GPS , , , , , ,

1994 9 2,000 (Estonia)  
(IMO : International Maritime Organization) 가 (V  
orage Data Recorder : VDR) 1995 (SOLAS)  
5 (NAV : Safety of Navigation) 가 (Desig  
n and Equipment : DE) 가

가

(IMO NAV SOLAS )

가

가  
가 (10) (20)가  
1 1 (10) (20)가  
(20) (61) (61) (50)  
(62)  
2  
(10) 2 (Anemometer; 11), GPS (12), (Echo Sounde  
r; 13), (Speed Log; 14), (Gyrocompass; 15), (Bow Thruster; 16),  
(Autopilot; 17), (Engine RPM; 18), (Radar; 19)  
(Anemometer; 11) , GPS  
(12) (GPS)  
(Echo Sounder; 13)  
(Speed Log; 14) (Gyrocompass; 15)  
(Bow Thruster; 16) ( )  
(Autopilot; 17) (Engine RPM; 18)  
(19)  
(10) (31)  
(32) (40)  
(31; ) (31)  
(32) NMEA - 0183  
(50) (61) (62)  
(71) 가 (40) 가  
가 (IMO)  
(20)  
(20) 가 (40)  
(71) (72)  
가 (40) (20)

(40) (20) 가

(71) (keypad) 가

(operator) 가

3 (20)

(80) (72)

3 2

3 (10) 2 (11)

, GPS (12)

(19)

(13) (14)

(15) (16)

(17)

(31) NMEA - 0183 (32) (61) (62)

(50) (40) (20)

3 (80)가 (

80) 가 (50) (20)

(90)

(80) (81) , 가 (81)

(20) (82) (84) (82) (83)

(85)

(84) (81) (82) (85) (84)

(83)

(82) 가 (20)

(IMO) (72)

(82) (80)

(90) (50) (20)  
 , (90) (80) (81) (93)  
 CPU(96) (92) , CPU(96) (93)  
 (91; ) (80) (85)  
 (94) (95) (83)

(90) (94) 가 ( )  
 (80) (84)

(95) (92) (50)  
 CPU(96) (80) (82) (72)

(92) CPU(96) (94) (95) (82)  
 (50)

(80) (90) (72) (20) ( )  
 가 ) (71) (ball mouse)

(20)

(16) (11), GPS (12), (19), (13), (14), (15), (20)  
 (10) (72) (80) (90) ( )  
 71) 가 . (20)

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1.

(72) (10) (20) .  
 (50)  
 (20) (72)  
 (80) ,

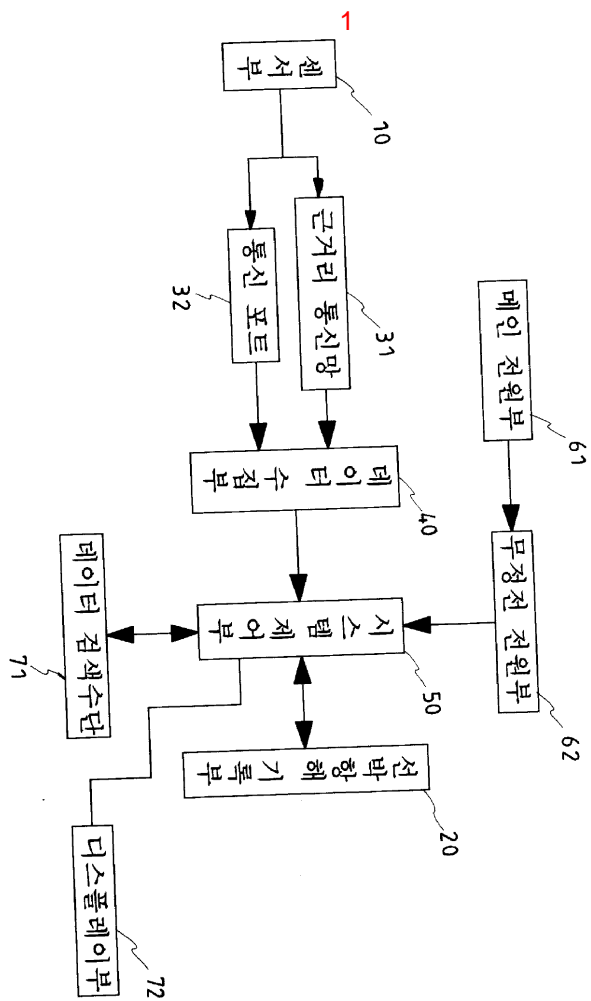
(80) (20) .  
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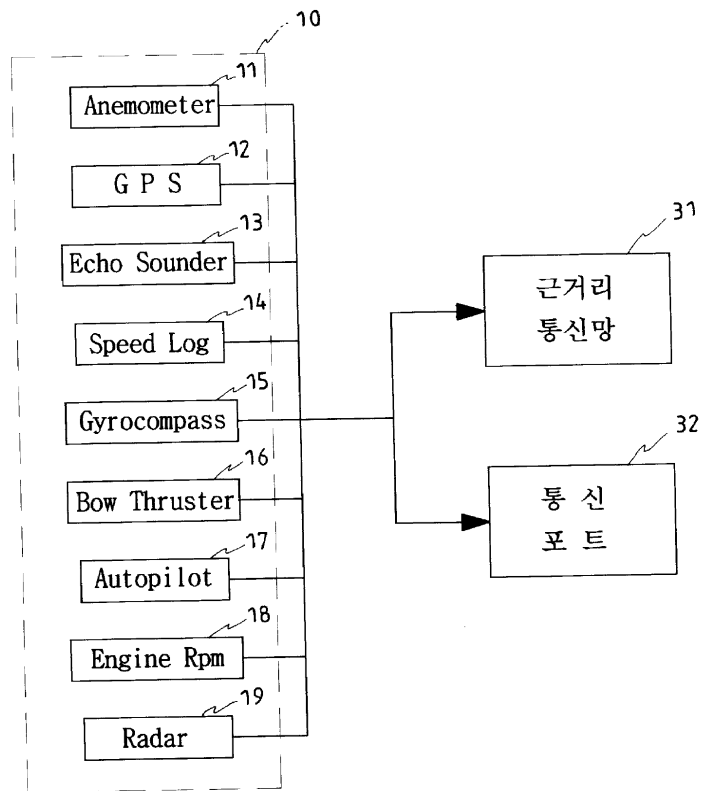
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(90)  
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(92) (93) ,  
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(94) (95) ,  
(91) (95) (92)  
가 (20) (72)  
(50) CPU(96)





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