

(19) (KR)  
(12) (B1)

(51) 。 Int. Cl. <sup>6</sup> (45) 2001 10 22  
B60K 17/34 (11) 10 - 0301741  
(24) 2001 06 27

(21) 10 - 1992 - 0027612 (65) 1993 - 0012405  
(22) 1992 12 30 (43) 1993 07 20

(30) 815,384 1991 12 31 (US)

(73) 43615 4500

(72) 46835 6008  
46835 5 616  
46835 4530

(74) :

(54)

4 , 4

가

1

[ ]

[ ]

1 4 .

2 1 .

3 1 .

\*

10 : 12 :

43 : 44, 45 :

46 : 49, 71 :

51, 72 : 52, 68 :

66 : 73 :

[ ]

, 4 가 4 .

가 4 , 2 /  
(traction capabilities) 가 . 4

, , .

“ (part time) ” 4WD , 4WD ,  
가 가

) 가 (靜止) , 4WD (路面)( ,

, “ (front wheel hop) ” 가

“ (full time) ” 4WD . AWD(all whee  
 I drive)  
 (interaxle differential)가  
 ,  
 ,  
 ,  
 (lock)

2WD, ( , “ (on demand) ” 4WD “ 4WD ”  
 - 4WD  
 , 가, (torque multiplier)

, 가  
 가  
 , 4WD  
 가 - ,

, , ,  
 1  
 2  
 (偏向) ,  
 가  
 가 “ ” ,

1 4WD 1  
 (10) (2 (12)  
 , (12) (10)  
 (10) (20) '16'  
 가 (18) (21, 22) (20)  
 (10) (24) (25) '23'  
 29) (26, 27) (25) (30, 31) (28,  
 s) (25) (hub lock

1 가 (33, 34) (32) ( ) .  
 , (33)  
 , 2 (34) 가 3가 , 2WD, ( “ (on dem  
 and) ” 4WD), 4WD( “ ” )  
 3 (status light) . ,  
 , “ (on demand) ” “ ”  
 (30, 31) .

(30, 31) (32)가  
 . (32) (35, 36) ,  
 (18) (37) ( )  
 . (35, 36, 37) ABS(anti - brake system)  
 , 2 “ ”  
 , 가  
 .  
 , 2 (35, 36)가  
 , ( , ) .

(32) , 가 “ ” (12)  
 . , (12)가 “ ” , 4WD  
 . (38)  
 (32) 4WD  
 ABS (39) .

2 , 1 (10) . 2  
 (20) (10) (12)( 1 ) (43),  
 (44), (25) (45) .  
 (43) (46) 가 ,  
 (48) (47) . (48)  
 (46) (49) , (52) 가  
 (51) . (44) (46) ,  
 (43) (56) (54) 가  
 가 (53) 가 . 2 , (43) , 가 (4  
 3) (44) 가 . (52) , (48)가  
 . (55) (56)  
 ( ) , 가 . (41) (53)가  
 , , . (4  
 1) (32) ,

1 (sprocket) (62) (44) 가 , (43)  
 (46) 가 , (65)  
 2 (64) (63) .  
 - (66) 1 (62)  
 . , (67) (45)  
 .

(68), (69), (71), (68) 가 (44)  
 (72) . (68) (69)  
 ) 1 (69) (73) (71) 가 2  
 (74) (66) (32)  
 (75) , “ ” 가

, (75) , (68)  
 가 (71) .

$$= (-T_c) / \{ [N_r / 2(N_s + N_p)] - 1 \}$$

$N_r$ :

$N_s$ :

$N_p$ :

3 2 3 ,  
 5,045,036 (81) . 4WD  
 (torque multiplying planetary gear assembly) (83) 2 ,

2 3 , 2 가 ,  
 . , 4WD ,  
 , .

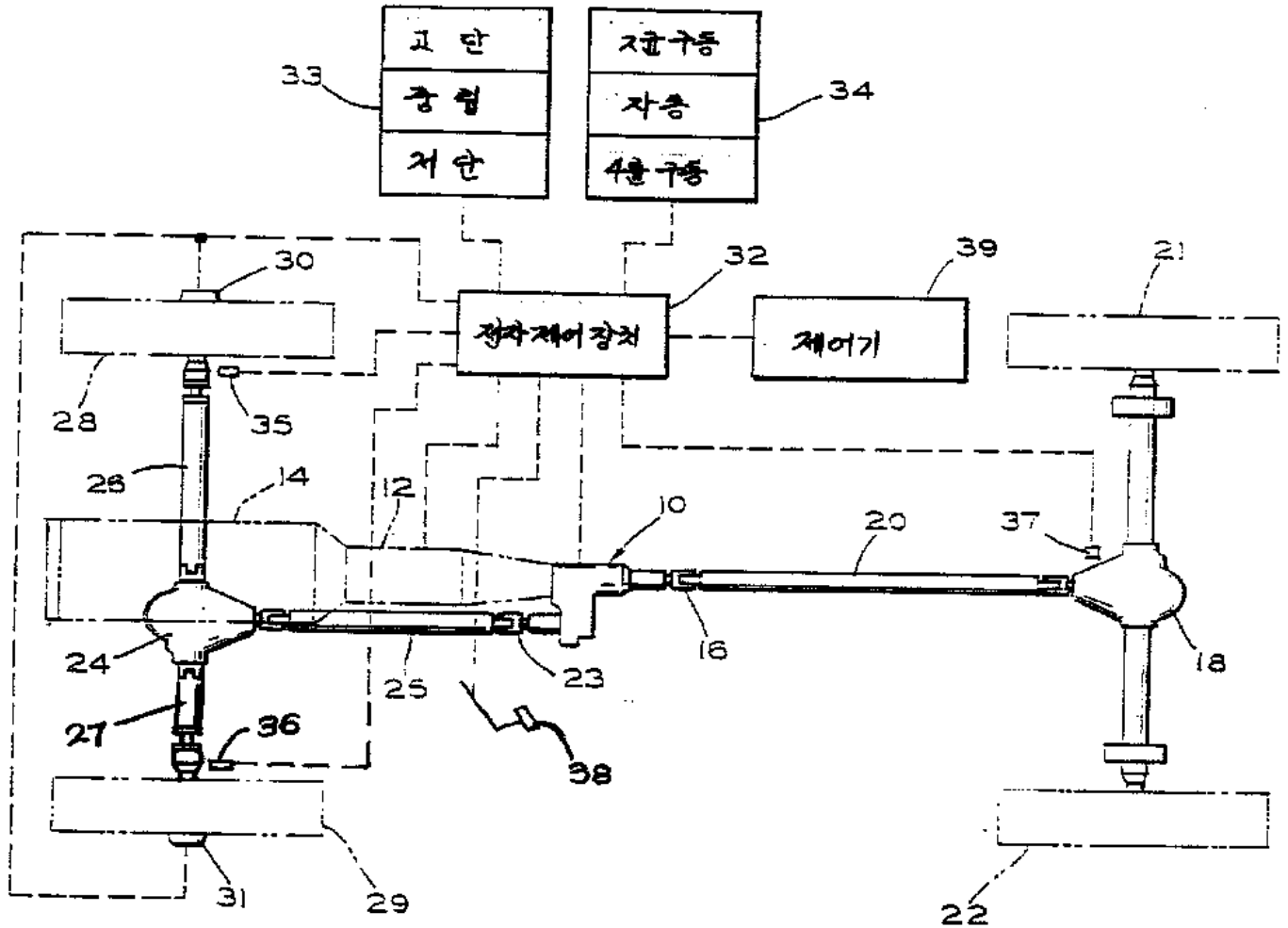
(57)

1.

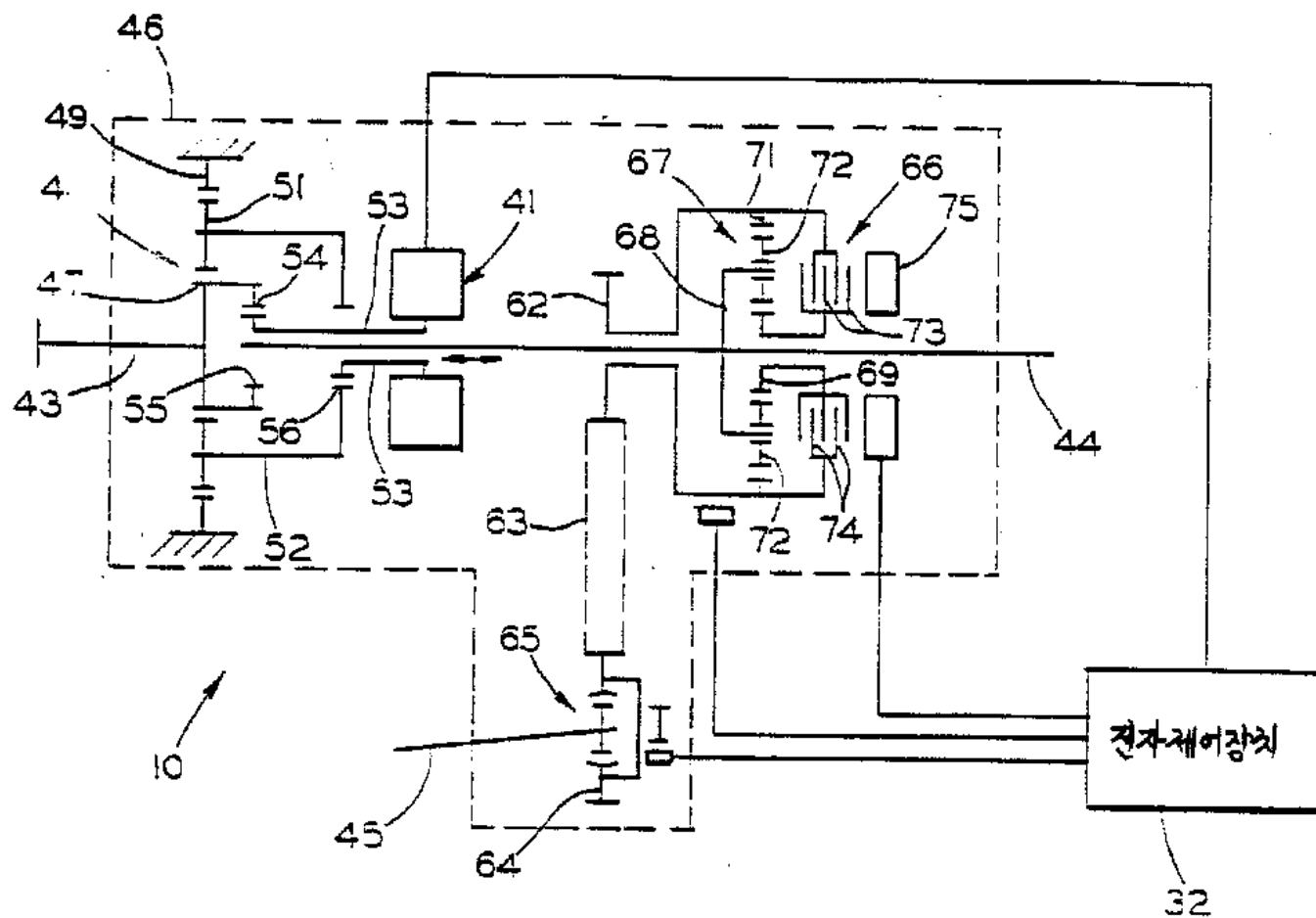
(46); (46) 가 (43); (46) 가  
 (45); (69), (68), (71) (67); (71)  
 (68) (45) (71)

(69) (66) (71) (66) (69) ; (69) (freewheeling)  
 (67) (68) (71) (73) ;  
 (72) 가 (68) (43) ,  
 (71) (45)

1



2



3

