

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

(51) 。 Int. Cl. ⁶	(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)

1

[]

[]

1 4

2 1

3 1

*

10 : 12 :

43 : 44, 45 :

46 : 49, 71 :

51, 72 : 52, 68 :

66 : 73 :

[]

, 4 가 4

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

, , , ,

“ (part time) ” 4WD , 4WD ,
가 . , 4WD , “ ” 가 ,) 가 (靜止) “ ” (路面)(,
, “ ” “ ” , “ ” (front wheel hop) ”

“ (full time) ” 4WD . AWD(all wheel drive)

(interaxle differential) 가

(lock)

2WD, (“ (on demand) ” 4WD) “ 4WD ”

가,

(torque multiplier)

가

가

, 4WD

가

(偏向)

가

가

1

2

4WD

1

(10)

(2)

(12)

(10)

'16'

(20)

(10)

가

(18)

(21, 22)

29)

s)

(10)

(24)

(25) '23'

(25)

(25)

(30, 31)

(28,

(hub lock

1 (32) ()
 가 (33, 34)
 , 2 (34) (33)
 and) " 4WD), 4WD(" ")
 3 (status light)
 , " (on demand) " " "
 (30, 31)

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

, 2 (35, 36)가
,

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

$$2 \quad , \quad 1 \quad (10) \quad (12)(-1) \quad (43), \\ (20) \quad (44), \quad (25) \quad (45) \quad .$$

(43) (46) 가 ,
 (48) (46) (47) (48)
(46) (49) , (52) (47) 가
 (51) . (44) (46) ,
 (43) (56) (46) (48) 가
 (53) 가 . 2 , (43) , (54) 가
 (44) (44) 가 . (52) , (48) 가
 . (55) (56) (53) 가
 () , (41) (53) 가
 , , (32) , , (4)

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

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

, (75) , , (68)
 . (71) .
 가

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

N_r :

N_s :

N_p :

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

2 3 , 2 , 4WD 가 , ,

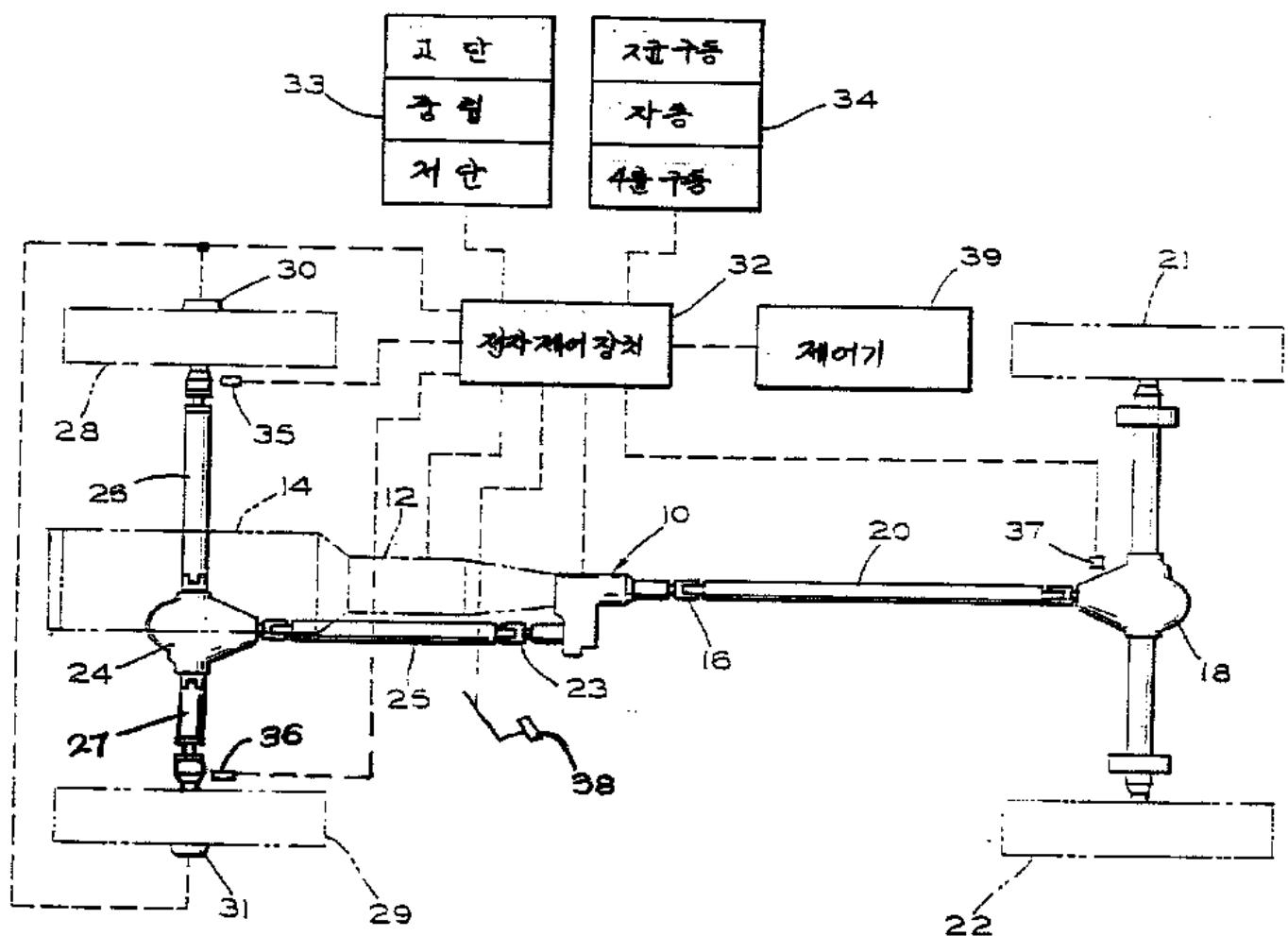
(57)

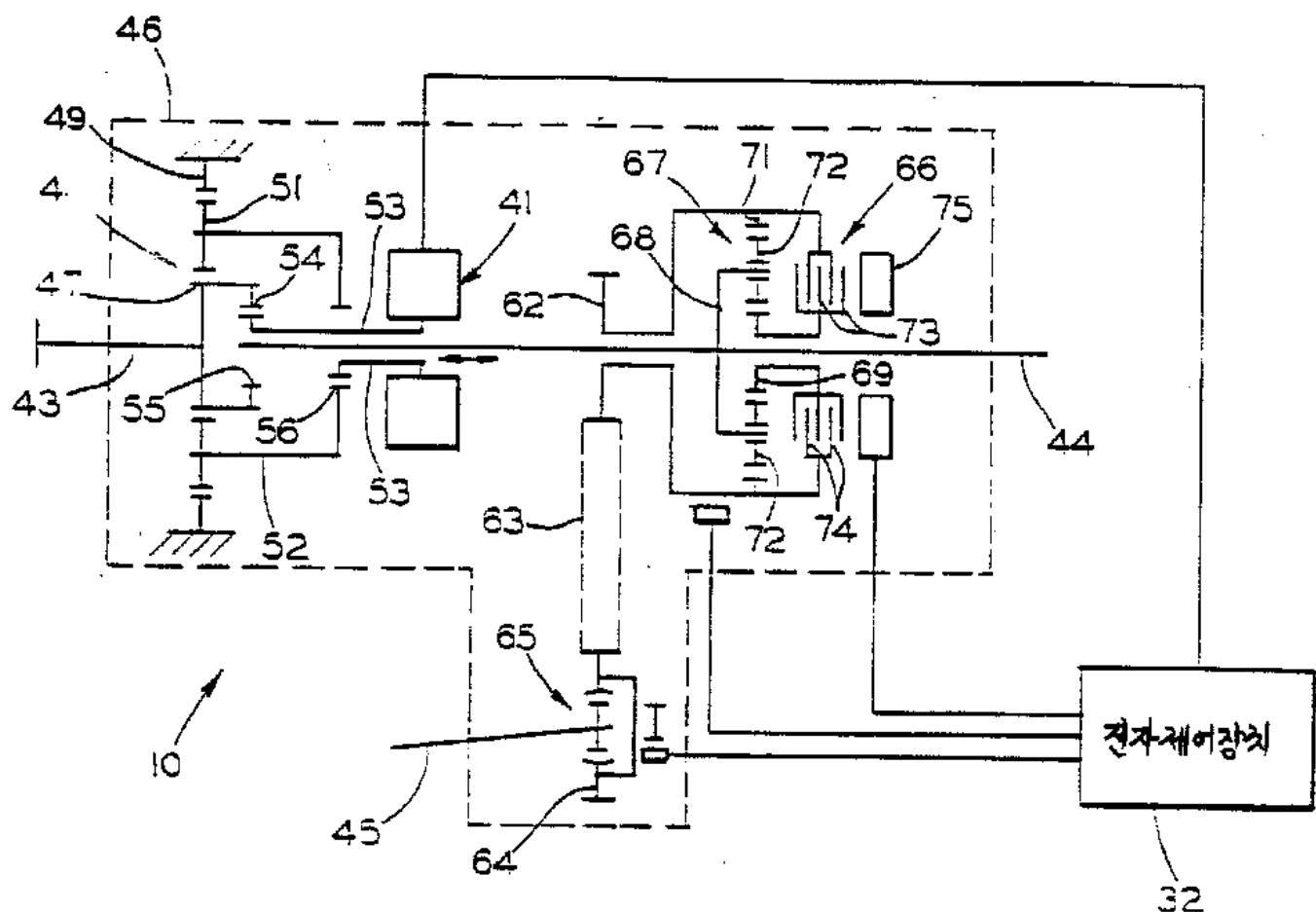
1.

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

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

1





3

