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(11)
(24)

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(21) 10-1996-0028683
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10-1997-0008813
1997 02 24

(30) 95-08669 1995 07 18 (FR)

(73) 75116 38

(72) 65100 10

64 13

(74)

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(54)

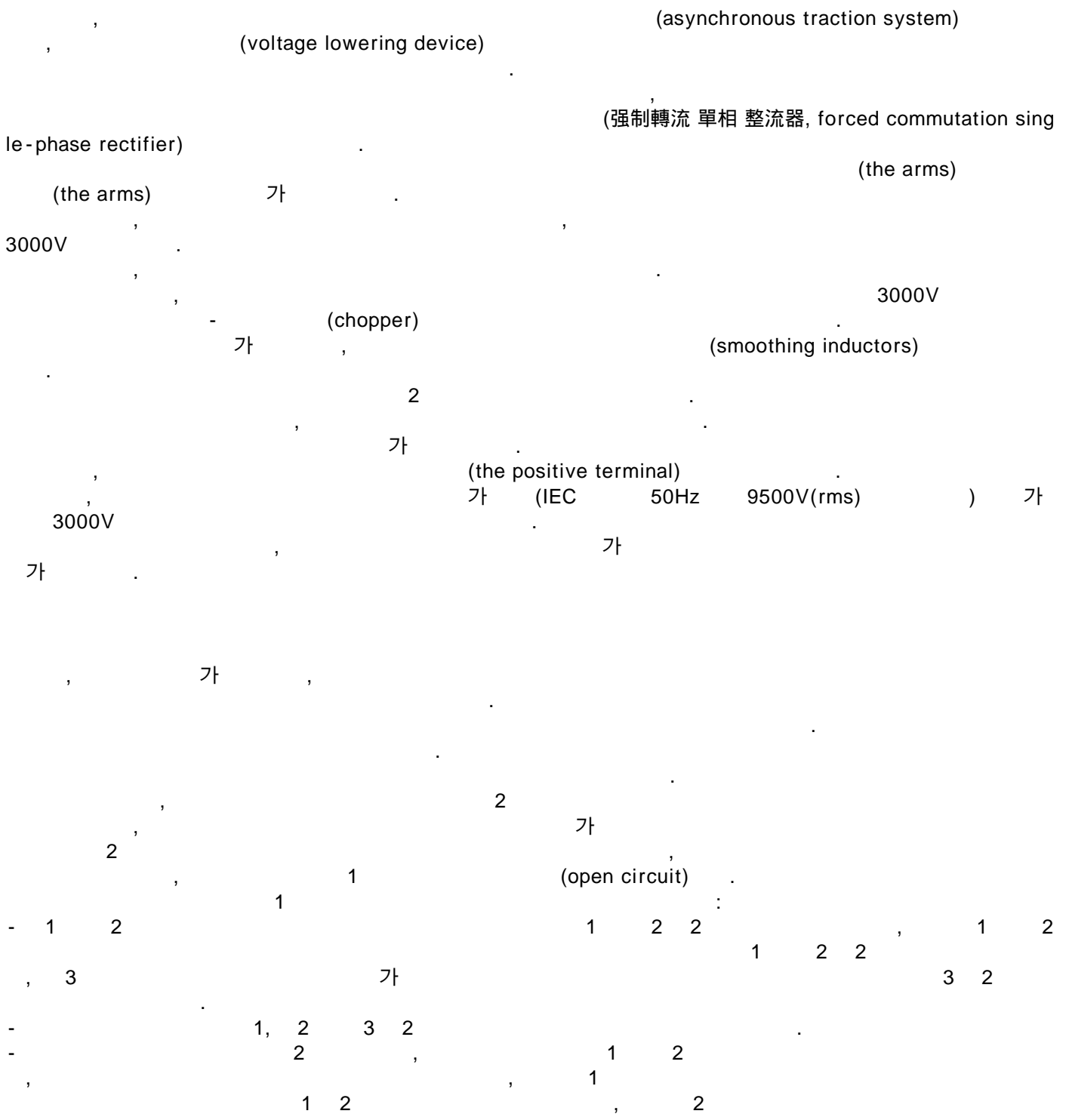
轉流) (1, 2) 가 (T) 2 (3, 4) 3, 5) (5) (1, 2) 가 (1, 2) (6) (T) 2 (強制)

3

1
2

3 2
<
1, 2, 6 :
3, 4, 5 : 2
7 : 1

6
>



2 2 가 . . .

- 1 2 2 , 가

- 가 ,

가 , - 가

1 1 2 (1 2) , 3000V E (3 4)

1 2 (1 2) (T) 1 2 2 (3 4)

1 2 (T) 가 , 3000/2

=1500V 3 (6) (T) 1 2 2 (5) 가

3 (6) (S) 3000/2 = 1500V 1 (7) 가

(T) 1 3 2 1 (7) 가

1 2 () M 가

1 2 1 2 2 1 / 2

(the cyclic conduction ratio)

가 . . .

- 가

- 가

- 가

2 1 2 (1 6) 3000V E

1 (1) 1 (T) 1 2 (3)

1 (1) , 3000/2=1500V

1 2 (3) (6) (T) 2 2 (5) 가

2 (6) M 가 S

3000/2=1500V (T) 1 (7)

1 (1) () 1 2

2 (6) () S

3 2 6

3 3 (1, 6) , 3000V E

1 (1) 1 2 (3) , 2 (6) 2 2 (5)

1 (1) (T) 1 2 (3)

2 (6) 가 , 3000/2=1500V 0

M 가 S

(T) 1 1 (7)

(5) , , (1, 2) 가 (1, 6) , (T) 2 (T) (3, 4) (3, 5)
 (6) 2

(57)

1. (voltage lowering device) ,

(main traction transformer) 2
 (强制轉流 單相 整流器, forced commutation single-phase rectifier) ,
 가 (voltage increasing controlled rectifier)

(synchronous voltage inverters) 2 , 1

2. 1 1 2 2 , 1 2 1 2 2
 가 1 2 2 , 3 2 , 3

3. 1 2 가 , 2 1, 2 3 2

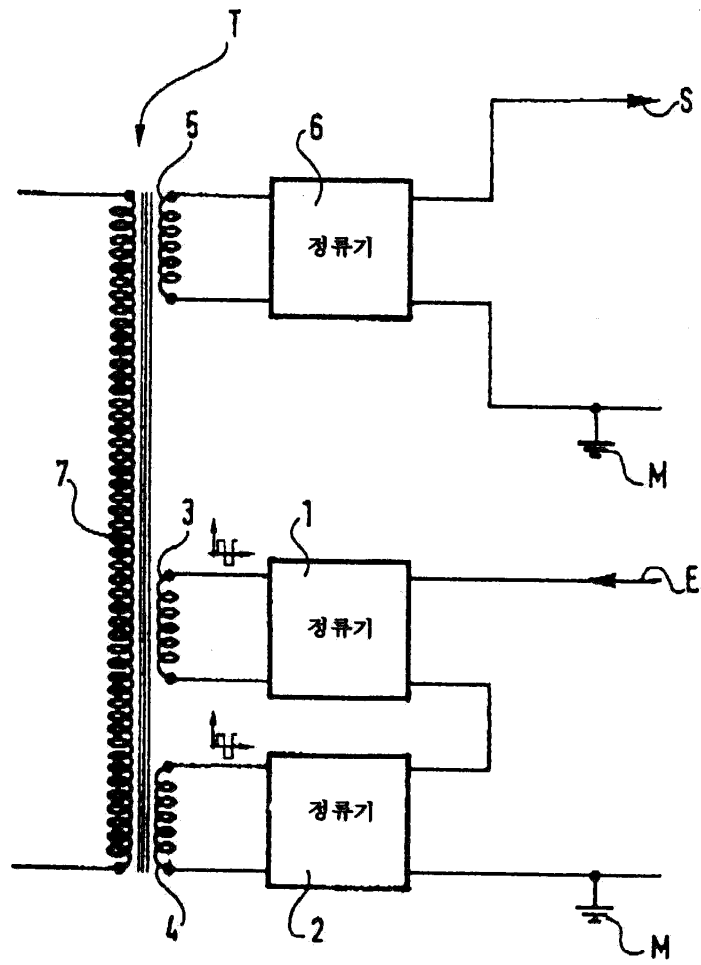
4. 1 , , 1 2 , 2 2 2 1
 2 , 가 2

5. 1 2 가 , 1 2 2

6. 1 2 , 가

7. 1 , 2 4

1



2

