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2004 02 05
10-0417330
2004 01 20

(21) 10-2000-0040175
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30-2 가 8 1103

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2a

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2a	2c	
3a	3b	
4		
5a	5b	3

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100 :	150 :
200 :	250 :
300 :	400 : 가
500 :	600 :
700 :	800 :
850 :	

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ine Communication) (PLC : Power L

TV ,

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가 (400)

(200)

, 가 (40

(150)

0) (500), (250) (600), (700), 가 (400) 가 (800) (850)

(500) (200) 가 (, 가)

(600) (600) (850)

(600) () (600) ()

800) (700) (600) (800) 2 ()

(800)가 2

2a (640) (650) (610) (500) (700) (P) (500) (620)

2a (610) (620) (610) (630) (640) (650)

(900) (810) 2 (640) (640)

(900) (820-870)

(500) 가 50-60Hz (700)

(700) (P) (800)

(800) 2 가 (610)

(500) 가

(610) 50-60Hz (620) (630)

(620) (630) (640) (640)

(Ethernet switching) 가 (900) 가 (640)

(810) (900) (650)가 (650)

) (810) 2 50-60Hz 가 (900)

(640) (900)

2b (640), (650) (610), (620), (630), (660) (660) (500) (700) (500) (700) (P)

(800)가 가 (800) 2 (500)

(610) (500) (660) (620)

0) (620) (610) (630) (620) (63)

(640) (640) (640) (630)

(900)

(620) (640) (650)

(810) 2 (640) (820-8

70)

(500) 가 50-60Hz (660) (800)

(700) (700)

(1, 2, , 1..)

(500) 가 (610)

(610) 50-60Hz (620)

(620) (630) (630)

(640) (640)

(900) 가 (640)

(900) (810) 2 (650)가

50-60Hz (660) (640)

(650) (700) (660) (640)

(620) (640)

900) (660), (610), (620), (630),

2c (640) (660) (660)

2c (660) (500) (700) (500) (50-60Hz)

0Hz) (700) (700) (700) (660) (620)

(800)가 (610) (500) (660) (620)

(500) (620) (610)

(630) (630) (640) (640)

(810-870) 2 (800) 2 (650-656)

(500) 가 50-60Hz (660)

(700) (800) 2 (800) (610)

(500) 가 (610)

(610) 50-60Hz (620)

(620) (620)

(630) (630) (640)

(740) (900) 가 (640)

(810-870) 2 (650-651)가

(900) 50-60Hz (650-656)

(700) (660) (640)

(620) (640) (900) (650-656)

3a 3b (640) (900)

3a 50-60Hz 2

3b 2 1 2가 1 2 , 3 2

, 3 (632) (634) (632)

4 (632) 1 (620a, 620b,...620n)

4 (640a, 640b,...640n) (640a, 640b,...640n) (640a,

640b,...640n) (620a, 620b,...620n) (620a, 620b,...620n)

(632) (MAC)

가 . MAC (LAN) 가 2
 , OSI 7 1,2 , LLC
 LLC(Link Layer Control) , MAC(Madium Access Control) , LLC
 MAC , , ,
 5a 3 (615), (625), (635), (645), 3
 5a 3 (660) (500) 2 (500) 3 (R,S,T) (62
 3 (615) (625) (635) (645) (660) 3
 5) 3 (615) 3 (645) (660) 2 3
 () 2 (660) 3
 (500) 가 3 3 (615) , 3
 (615) 50-60Hz , (625)
 (625) (635) (635)
 (645) 가 (645)
 가 2 3 (660)가 3 (660)
 50-60Hz
 (645)
 5b 3 (615), (625), (635), (645), 3
 5b 3 (660) 3 (665) (500) 3 (R,S,T) (62
 3 (615) (500) 2 (625) (635)
 5) 3 (615) 3 (645) (645) 3 (635)
 (645) (645) 3
 가 (660) () 2 3
 (660) 2 (645)
 (500) 가 3 3 (615) , 3
 (615) 50-60Hz , (625)
 (625) (635) (635)
 (645) 가 (645)
 3 2 3 가 (660)가 3 (6
 60) 50-60Hz (645)

(57)

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MAC

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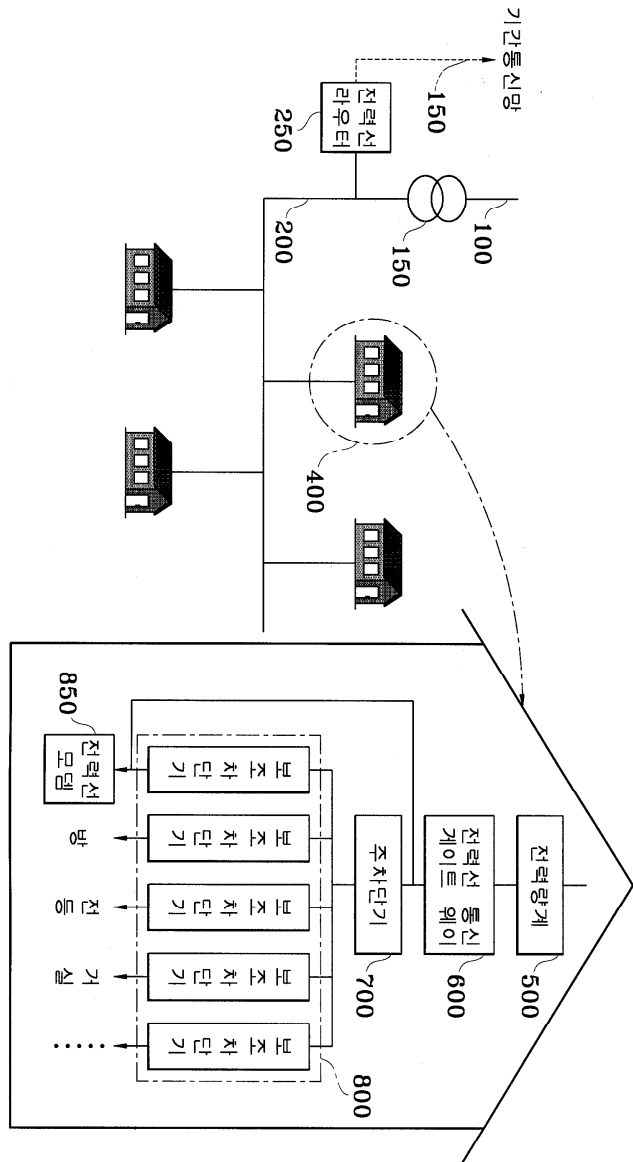
3

3

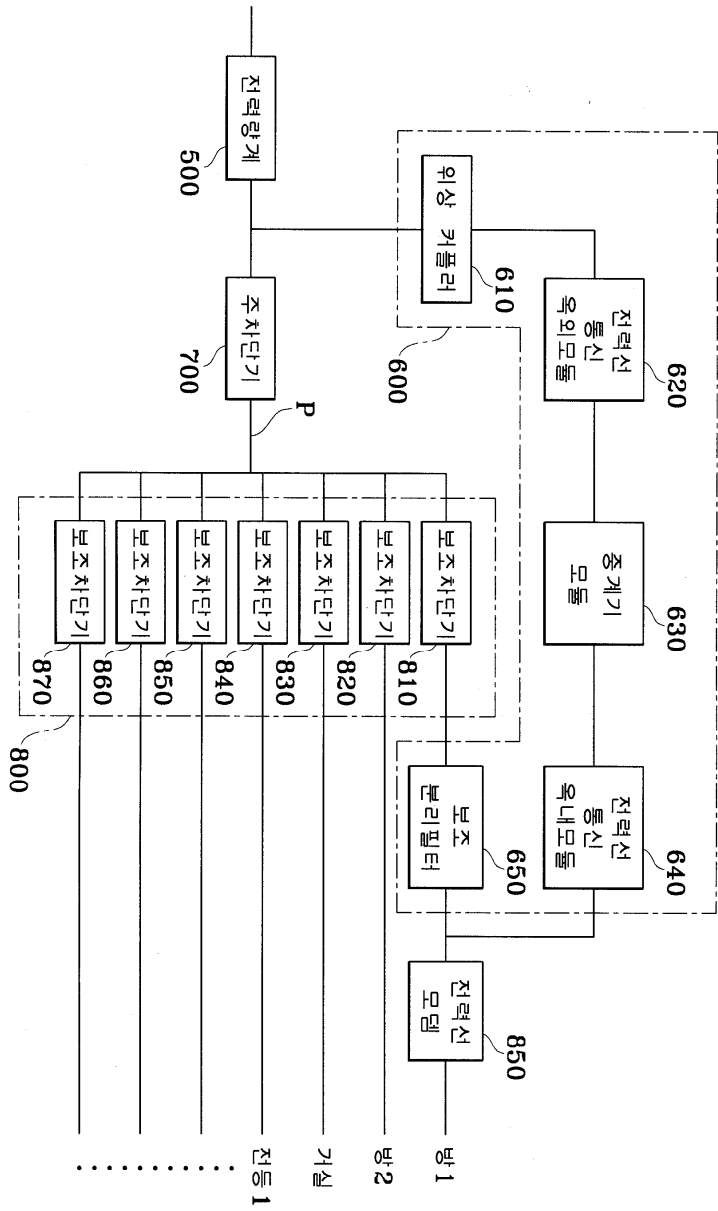
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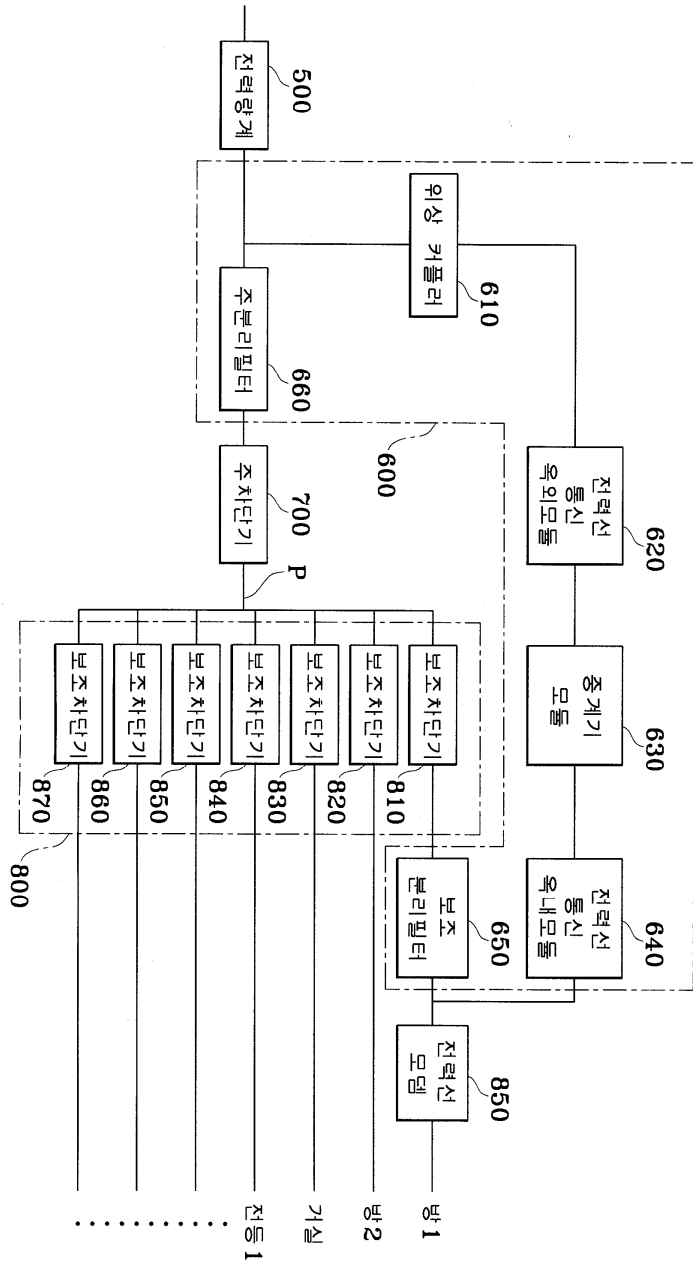
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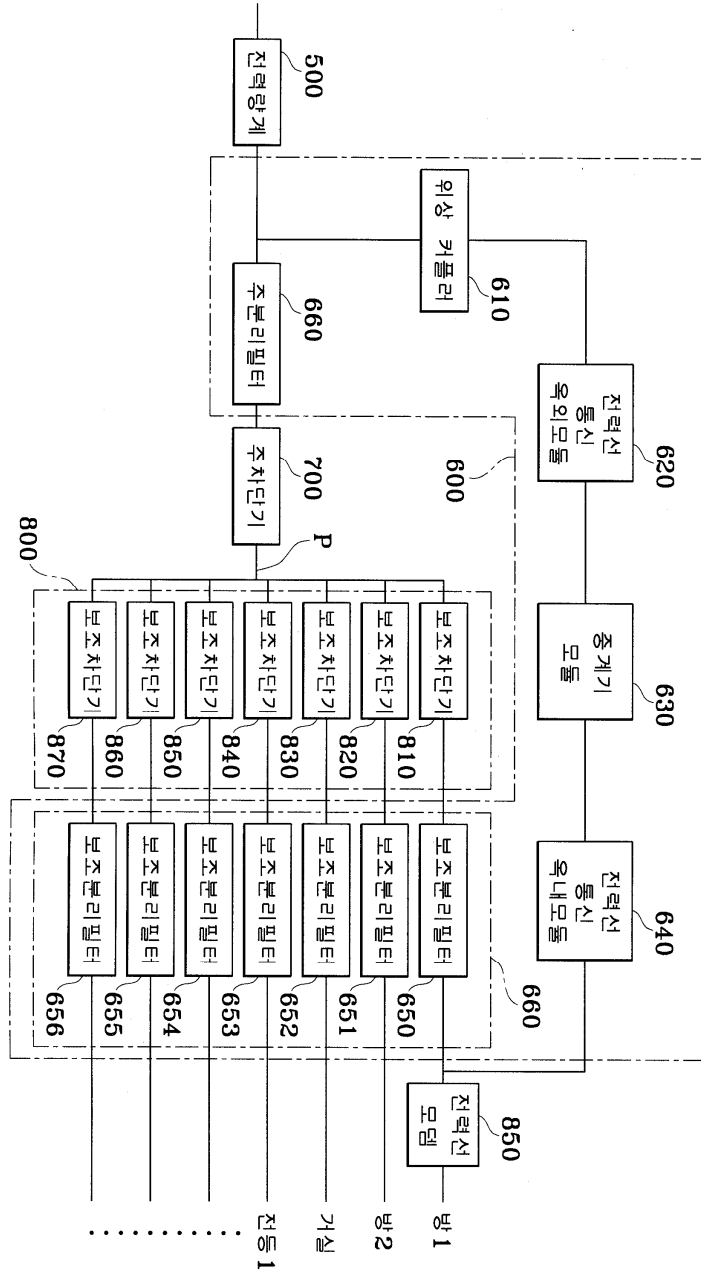
2a



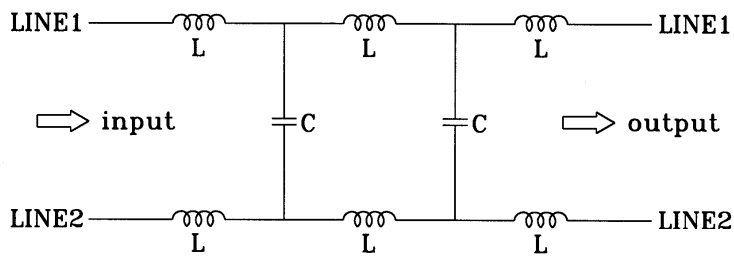
2b



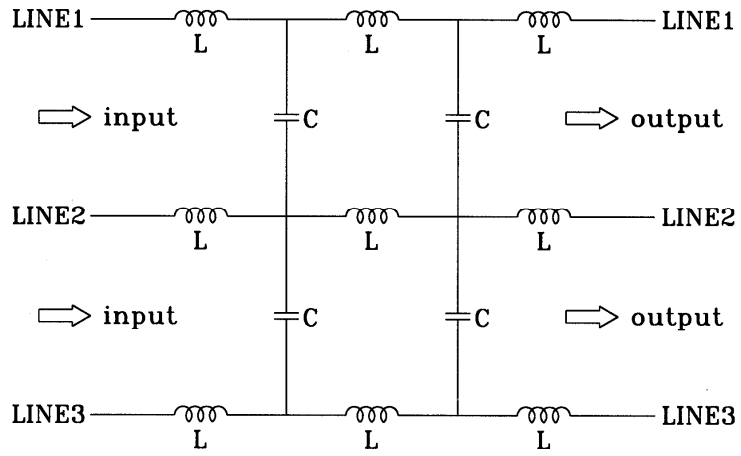
2c



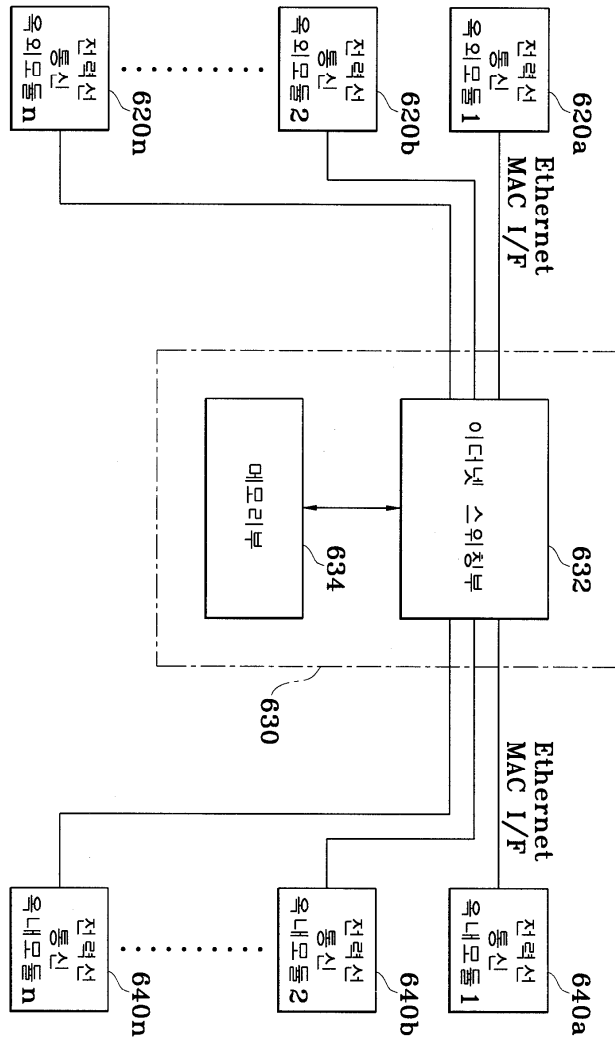
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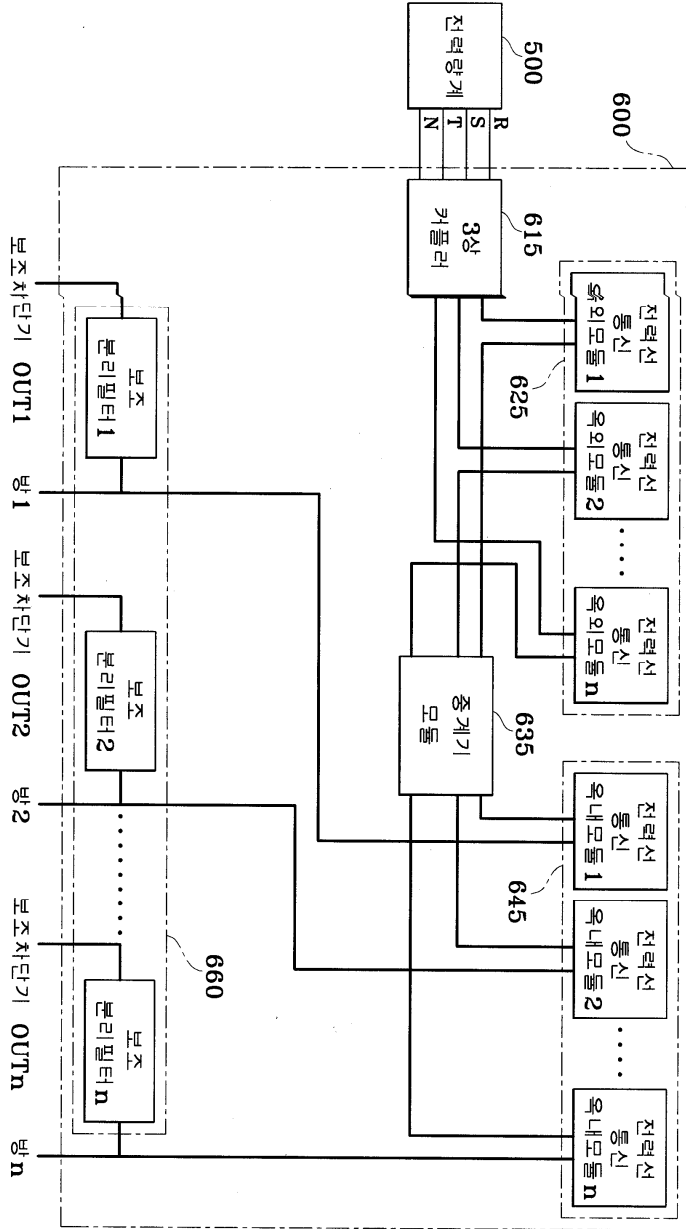
3b



4



5a



5b

