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2004 06 17

(21) 10-2002-0077846
(22) 2002 12 09

(71) 3 314

(72) 346

(74)

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(54) P L C

PDA(Personal Digital Assistant)

(Mobile Phone)

PLC

(21); (21) AC DC (20) PLC SMPS(22); SMPS(22)
) DC (23); (24); SMP
21) DC (23) (24) (25); (23)
S(22) DC (23) (24) PLC (25);

, PDA(Personal Digital Assistant)

(Mobile Phone)

가

가

PDA
가

(Mobile Phone)
PLC

PDA(Personal Digital Assistant)

가 PLC

PLC

PLC

;

AC DC SMPS;

SMPS DC ;

;

SMPS DC
PLC ;

PLC

2 PLC , 3 2 PLC

2 3
(21) AC DC
, (21)
, SMPS(22) DC
(23)
(24) PLC (25) (23)
(24)

PLC (21) ,
SMPS(22) , SMPS(22) DC
SMPS(22) DC (24)

3 PLC AC (AC +)
(21) , PDA (interface)(23)(DC +)
AC DC SMPS(22)(Switched Mode Power Supply) , 가
PLC (Module)(25) , AC (Coupler)(24)
, SMPS(22) PLC (25) (23) PDA

SMPS , PLC (Serial data) , PDA

PDA 가 .

4 3 SMPS , 4 , SMPS(22) (21) AC
 (222) , (221) , (221) AC 1 DC
 (223) DC 3 DC 3 (224) , 2 (223) DC 2
 DC 4 (225) .

5 3 PLC , 5 , PLC (25) (24)
 (RX) , AFE (251) , (24) AFE
 (251) , (252) , (252)
 MAC 가 MAC(Media Access Control)
 MAC/PHY (253) , MAC/PHY (253) (252)
 MAC/PHY (253) I/O (254) .

5 PLC (25) , I/O (254), MAC/PHY (253) ADC D
 AC (252) (INT51X1) , AFE(Analog Front End)
 , AFE

2 5

2 , PLC (20) , AC DC PDA
 PC

3 , PDA PLC , PLC (20) (21)
 (23)

PLL (20) SMPS(22) (21) AC DC
 , 5V, 3.3V, 1.2V , (23) SMPS(22)
 DC

PLC (24) , PLC (25) SMPS(22) DC ,
 (24) (23) (24)

4 SMPS(22) , SMPS(22) (221) (21)
 AC , 1 (222) (221) AC
 1 DC (224) , 2 (223) DC 2 DC 4 (225)
 3 (223) DC 3 DC , 4
 2 (223) DC 4 DC .

4 , SMPS(22) (Power line) AC DC ,
 (221) AC , 5V
 , 2, 3 (223,224) , 3.3V, 4
 (225) PDA 1.2V , 5 , SMPS(22)
 PDA PDA

1 (22)

5 PLC (25) , PLC (25) AFE (251)

2 (223) DC 3 DC 3 (224);
 2 (223) DC 4 DC 4 (225);

PLC .

3.

1 , PLC (25)

(24) (RX) ,
 (24) AFE (251);

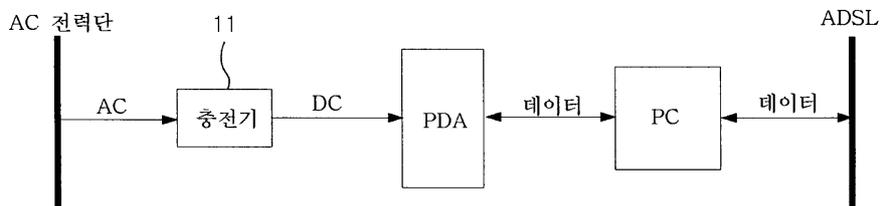
AFE (251) ,
 (252);

(252) MAC 가 MAC(Media Access Control) (252) MAC/P
 HY (253);

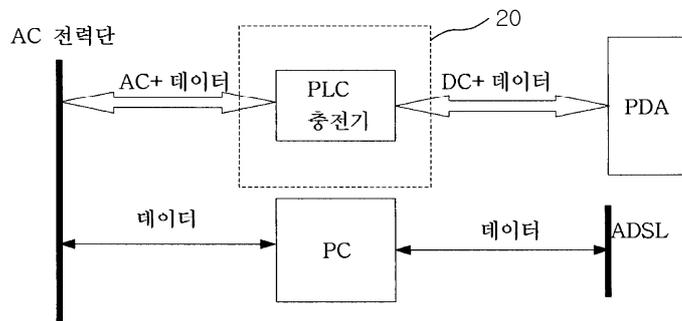
MAC/PHY (253) ,
 MAC/PHY (253) I/O (254);

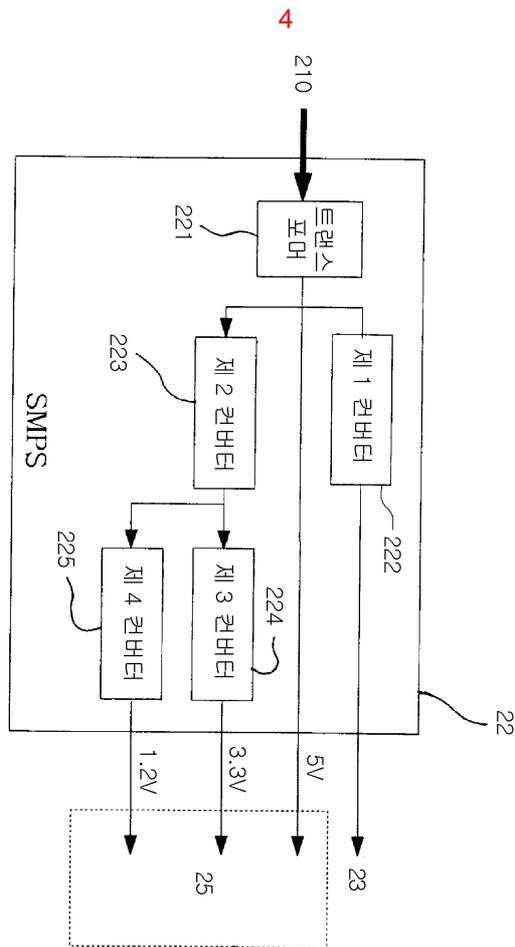
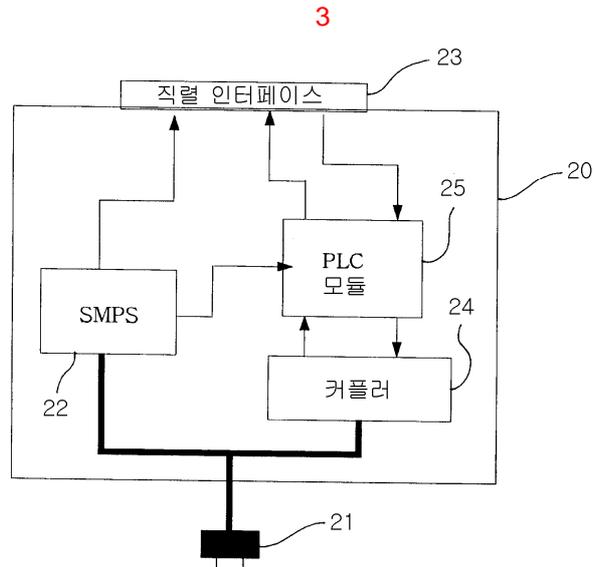
PLC .

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