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(72) 56.

(74)

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(54)

(C1a)
S (Cs) S (Q1) (
1 HORIZONTAL) 1 (50) 1 (Q2) 1
(iy) 2 (3a - 3c (T1 & T2)) 1 (OFF) ,
2 (T1 & T2) 2 (ON) 2 (Lx) 2
2 S (Cx)
S S
2

1				.
2a,	2b	2c	1	
3a,	3b	3c	1	
4	1			.
5a,	5b	5c		1
6	1			.
7	2a,	2b	2c	1.

[illegible]

. 2 가 , LC - S
 . LC - 가
 .
 ,
 , 1 1
 . 1 1
 1 , 2 가 1 2 , 1 1 2
 가 , 2 가 1 2 , 1 1 2
 2 , 2 2
 . 2
 .
 1 (100) (100) (DC) (100) 31.5 kHz 1 (W1) (Q
 1) . (T) (W1) (51) (50) (Cb)
 (Q1) (Q1) (Q1) 50% . 1 (C1a)
 (Q1) (51) . (51) 2 (C1a)
 (C1a) (52) 3 (C1b)
 (D1a) (C1a) (D1b) (C1b) (52)
 - (East - Weat) (Lew) . (Lew) , - (Qew) (53)
 (Cew)
 (Qew) - (V) (E/W
 - DRIVE) (V) 20
 (Rew) (A) (Vm) (Qew) (Lew) (52)
 (53) . (Ly) (51) (54) S (Cs) (52)
 (54)
 1 (半) , (D1a, D1b) 가
 (W1) . , (ILy)가 (D1a, D1b) . 2 ,

(Q1) , (ILy)가 (Q1) ,
 (Q1) , (V1a) (C1a) ,
 (V1b) (C1b) .

s) (101) (52) (54) S (C
 (101) (Lx), (Cx) 가 (300)
 (PWM)(60) 가 (300) (66)
 (60a) (IPcor) (62) (Fb) ,
 (60a) 가 (300) (IPcor)
 (Fb) (101) (Ix)
 , (63) (IPcor) (Fb) PWM(60) (63a)
 . 가 (60b)가 PWM(60) . (Fb)

(101) 1 , 1 (Cx) 330
 nF , (Lx) 150 uH , (Cz) 680 pF , (Rz) 820
 . 가 (300) (Q2) . (Q2) (62)
 (Cs) (54) (64)
 (MOS) (Q2) (65) (Lx) (Cx)
 (Cs) (52) (Cz) (Rz) ,
 (Q2) (64) (65) . MOS
 (Q2) (Q2) (DQ2)
 (Cz) (Rz)가 . (62) ,
 (Q2) .

3a, 3b 3c (Ix)가 1 1
 . 1, 3a, 3b 3c
 (Th) 3c (ILy) (ILyt) (ILyr)
 . 1 (Q2) 3c (T1) . 3c (ILyt)
 (T1) 3c (ILyt) (Ttc) . (T1) , 1 (I
 101) 3a (VCs) 1 (Cs) 가 , 1 (101) 3a (Ix)

3a (T2) (Ttc) (T1) . 3a
 (T2) , (Ix) , 1 (DQ2)
 (DQ2) (Q2) . (T1+T2) , 3a (I
 x) 3c (ILy) , (Ttc) -

1 - (60a) 1 (IPcor) 3a (Ix)

(T1) (T2) (Q2)
 (Ix) ,
 (ILy)가 3a , (T1+T2) 가
 (cross - talk) (ILy) - -
 (Ix)가 0 가
 가

6 1 PWM(60) 6, 1, 3a, 3b 3c
 (Q2) (Q2) 6 2 (DQ2)가 (DQ2b) 1 (DQ2) (DQ2a) 1
 (DQ2) (DQ2) , 6 (DQ2b) (DQ2a) (Q2)

(IPcor) -
 (60b) , 2
 200 V - - 가 (62) (T3) (I
 x) 1 (T3a) 2 (T3b) (DFb) (DF
 b) (101) (Ix) (CFb) (VCFb)
 (CFb) (T3) 100 (T3b/T3a) (T3)
 (DFb) 가 1 (T3a)
 , (101) (DFb)

(VCFb) (Rpi1) (Opa) (6) (Opa)
 (6) (DC) (Opa) (6) (Opa)
 (IPIN) PWM(60) (OPa) - (IPcor) (full wave)
 (VCFb) (VOPa) (Cpi) (Rpi2)

(Q6) (103) (C12) (R8)
 (60b) 가 (C12) (C11) (C10)
 (R7) (60b) (Q6) (C10) (D11)
 (Q6) 가 (Q6) (C10) (D11)
 2 가 (Q6) (ringing) 1
 (D1a, D1b) (Q6)가

(60b) (OPb) (VSW)
 - (ipw)가 (LED) (OPTOA) LED OPTOA (OPb)
 (7) (3)

(OPb) (7)가 , LED OPTOA (ipw) 0 .
 , - (OPTOB) (6) 가 - (R4) -
 (OPTOB) (6) (Q5) , LED OPTOA가
 , (Q5)가 (Q5) (D6) (R2)
 (Q2) (66) . (Q5)가 (Q5) (Q2)
 . (Q5) - (R3) (Q3) (Q3)
 (D6) , (D6) (Q3)
 (Q4) . , (OPb) (7)가 ,
 (ipw)가 LED OPTOA . , (Q5)가 , (Q3)가 - (R3)
 . , (Q2) (R2) .

3a (Th) (T1) , 6 (Q2) 가
 3a (t1a) (t1b) . (T2)
 . 6 (Q2) (DQ2b)가

(R3), (Q3) , (R4) - (OPTOB) (VFS)
 (C8) . (VFS) (Cs) (54) (VFS)
 (C9) (D8) S (Cs) (VCS) (A)
 C) . (D8) (D9)
 (VFS) (C8) . (C7) (R5) (D10)
 - (OPTOB) 5V V5V (VFS)
 .

2 1 , (Q4)가 (C6) (C5)
 . , (Q5) (Q2) ,
 (Q2) .

(D12), (D13), (D14) (C13) (V13) . (C13)
 1 (D14) . 2 (C13)
 0 (D12) (D13) . (D12)가 , LED OPTOA (ipw)
 . - (OPTOB) (6) , (Q5)
 (Q2)가 .

(OPa) (6) 가 (IPIN) (Lx) (Cx)
 (Ix) . , -
 - (600) (600a) . (600a) (50)
 . - - (600) 가 (IPIN) 가
 - - , (Lx) (Cx) (,
 Ix) - - (600) . ,
 (Cs) .

2, 1 (Cx) 470 nF, (Lx) 300 uH
 (Cz) 470 pF, (Rz) 1,500, 1 가 (30)
 0) (Q2), 7 (Q2') MOS
 (Q2') 1 (65) 7 (Q2')
 1 (64) 7 (Q2') 1 (66)
 2a, 2b 2c 1 2 가 7,
 (Ix)가 2 가 7,
 1, 2a, 2b, 2c, 3a, 3b 3c

2c (ILy) (ILyt) (ILyr) 7 (Q2')
 2a (T1') (T1') 2c (ILyt), 2c
 (ILyr) (Trc)

2a (T1') 1 (101)가 (Cs) (VCs) 가 1 (101)
 2a (Ix) (Trc) (T1') 2a
 (T2') 2a (Ix) (Q2')
 (DQ2') 2a (Ix) 2c (ILy), (Trc)

1 (60a) 1 (IPcor) 2a (T1')
 (Q2') 1
 (101) (Ix) (ILy) 2c (T1' + T2')

E/W -

, 2a (Ix) (Ix)

3, 1 (Cx) 470 nF, (Lx) 130 uH
 (Cz) 680 pF, (Rz) 820, 1 가 (300)
 (Q2) 4 MOS (Q2a) MOS (Q2b)
 (Q2a) (67) (64) 1 (65) 4
 Q2) (Q2a, Q2b) 4 (Q2b) (66)
 1 (66)

5a, 5b 5c 1 (100) 3
 (Ix)가 3
 가 1, 2a, 2b, 2c, 3a, 3b, 3c, 4, 5a, 5b 5c

3, 4 (Q2a) (Q2b) (DQ
 2b), 5a (T1") (T2") (T1")

(T2") 5c (ILy) (T2") 5c (ILy)
 (Ttc) 4 (Q2b) (Q2a)
 (DQ2c) 5a (T3") (T4") (T3")
 (T4") 5c (ILy) (T2") (T3")
 (T5") 4 (Q2a) (Q2b) (T3") 5c
 (ILy) (Ttc) (T4") 5c (ILyt)

5a (T1" , T2") 1 (101) (Cs) (VCs) 가 ,
 1 (101) 5a (Ix) (Ix) 5a (T1" ,
 T2") , 180 360 가 , (T1" ,
 Ttc) (T1" , T2") 5a (T3" , T4") 5a (Ix)
 (Ix) 5a (T3" , T4") 0 180
 (Q2a, Q2b) , 5c (Ttc) (T5") , 4
 (Ix) 0

(60a") 5b 4 (Q2a) 5b (60a")가 (LOW)
 , 4 (Q2b) 5b (60a")가 (HIGH)
 0 , 5a (Ix)가

1 (Ix) , 가 5a, 5b 5c
 60a") (60a" (A)) , 가 5b (60a") (60a" (B))
 (Ttc)

1, 2 3 CRT 가 S 2 1 3
 . 1 가 S . 3 가 CRT
 가 S CRT
 ,

S , - (LC) - 가
 . 2 가 LC - 2
 . 가 LC -
 LC - 가 S

1.

(C1a)

,

(Cs)

1

(Ly) ,

1 (HORIZONTAL)
(ILy)

1 (50)

1

1
(Q1) ,

2

(Lx, Cx)

(Lx) ,

2 (VERTICAL)

2 (IPcor)

,

1 2 ,

1 (3a - 3c (T1 & T2)

)

1 (OFF) ,

2 (T1 & T2)

2 (ON)

, 1 2 2

2 , 2

(Ix)

(Ix)

2

(VCs)

.

2.

1 , (VCs) S

.

3.

1 , 2 (Q2) 1 (60b)
2 (IPcor) - (60)

.

4.

1 , 2 (3a - 3c (T1 & T2)) 2
(Cx, Lx) (Cs) (Lx) (C
x)

5.

1 , - 3 (E/W -) - (QEW, Lew)

6.

5 , - (QEW, Lew)

7.

1 , 2 (Q2) 2 (IPWR)
(Fb) (60)

8.

7 , (Fb) (62)

9.

1 , 2 (Q2) (T1 & T2) 2 (
Lx) (Cs) , 1 ((T1 & T2))

10.

9 , (3a - 3c (T1 & T2)) 2

11.

9 , 2 -

12.

9 , 2 (T1" , T2" , T3" , T4")

13.

1 , 1 1 (Q1) , 2 (Q2)
2

14.

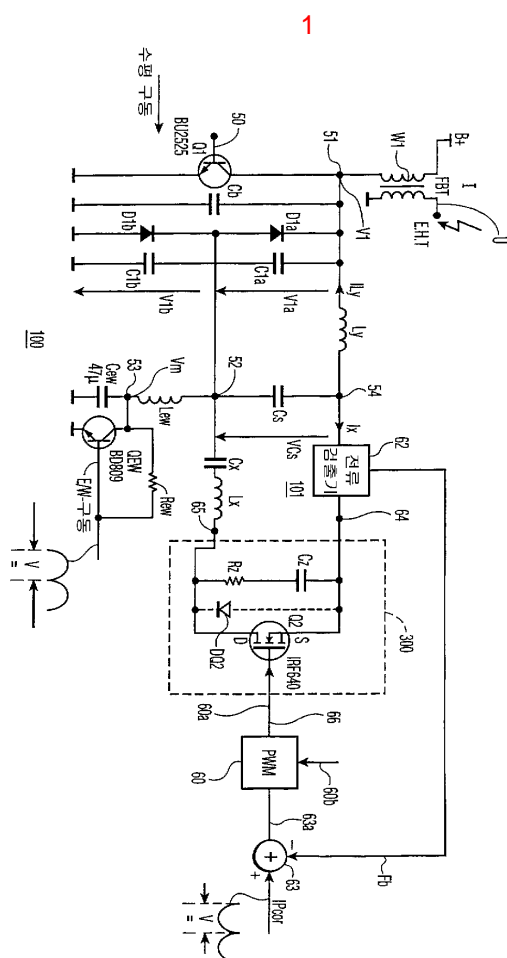
(C1a) (Ly) ,
1 (HORIZONTAL) 1 (50) 1 , 1
(iLy) 1 (Q1) ,
(Lx, Ly) ,

1 , 1 (3a - 3c (T1 & T2)) 1
(OFF) 2 (T1 & T2) 2 (ON) ,
2 (Ix)
2 (Q2) ,

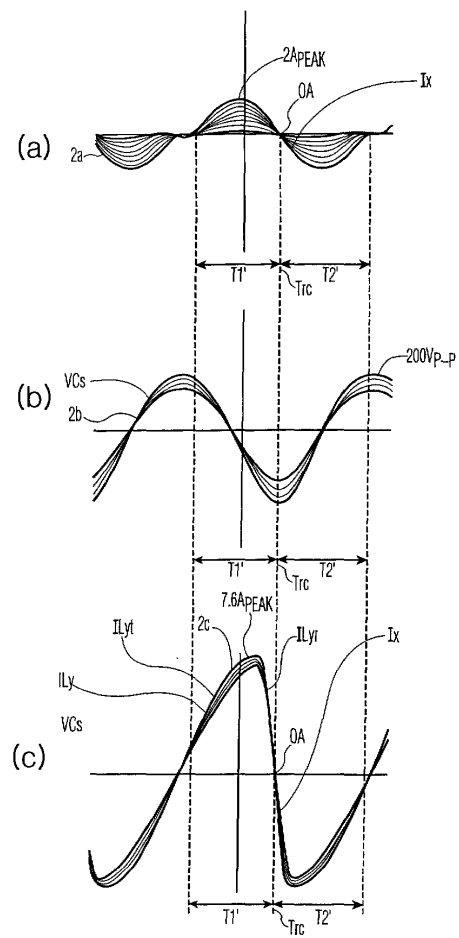
$$\begin{aligned} & 2 \quad (\text{VERTICAL}) \quad 2 \quad (\text{IPcor}) \quad , \\ & 2 \quad (\text{Fb}) \quad , \quad 2 \\ & 2 \quad (60) \end{aligned}$$

15.

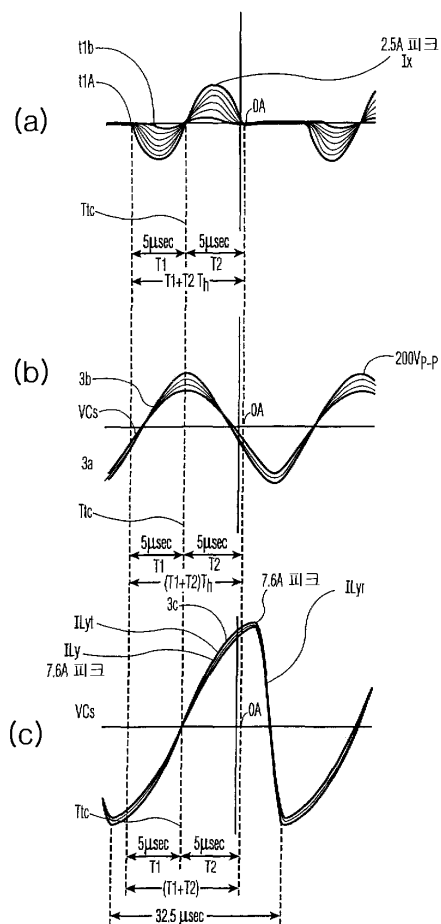
14 (Cs), (Lx, Ly) S S
(Lx)



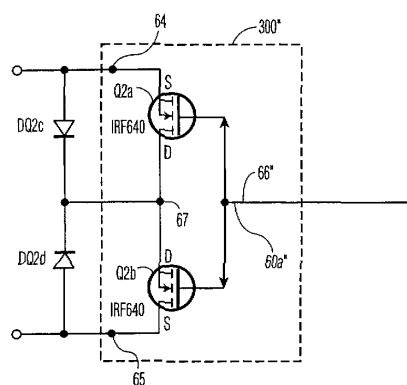
2



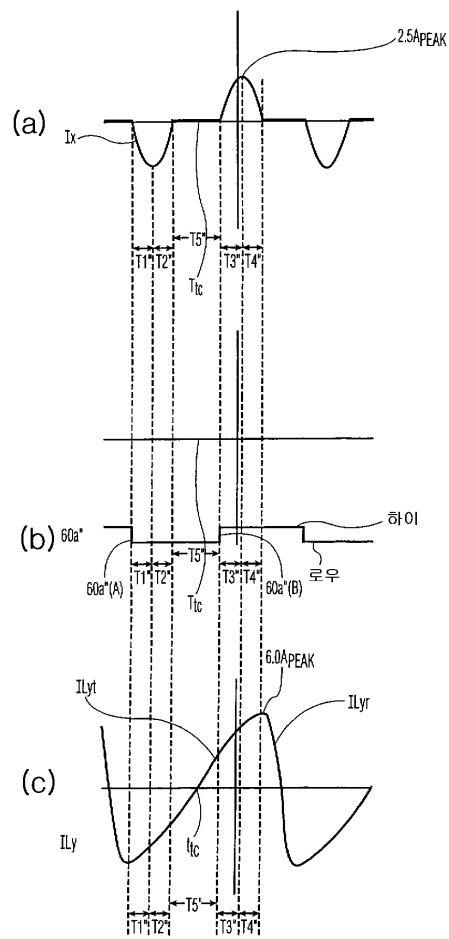
3



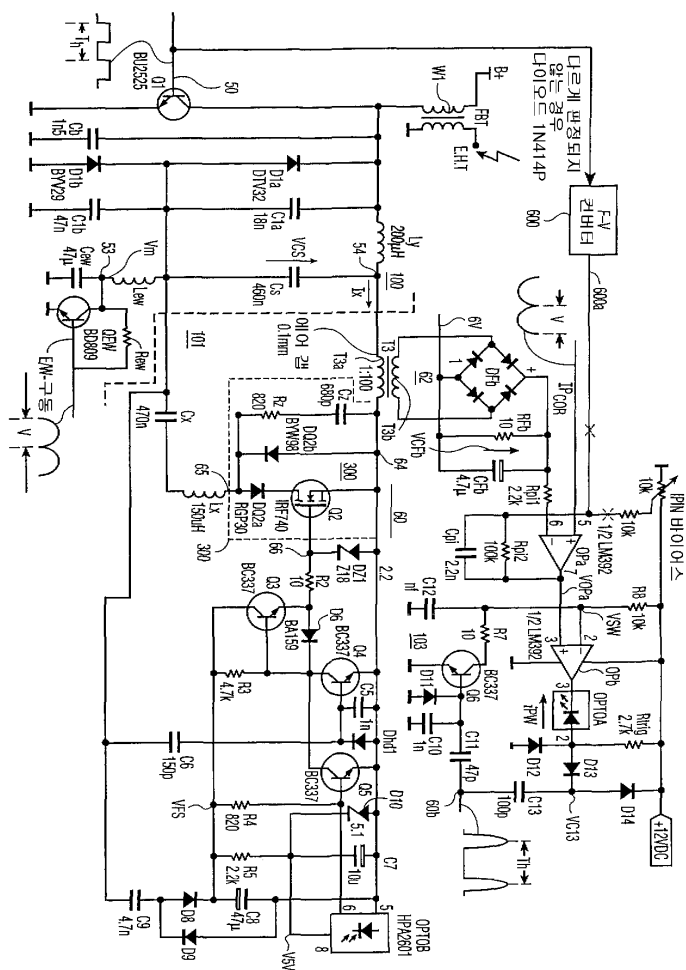
4



5



6



7

