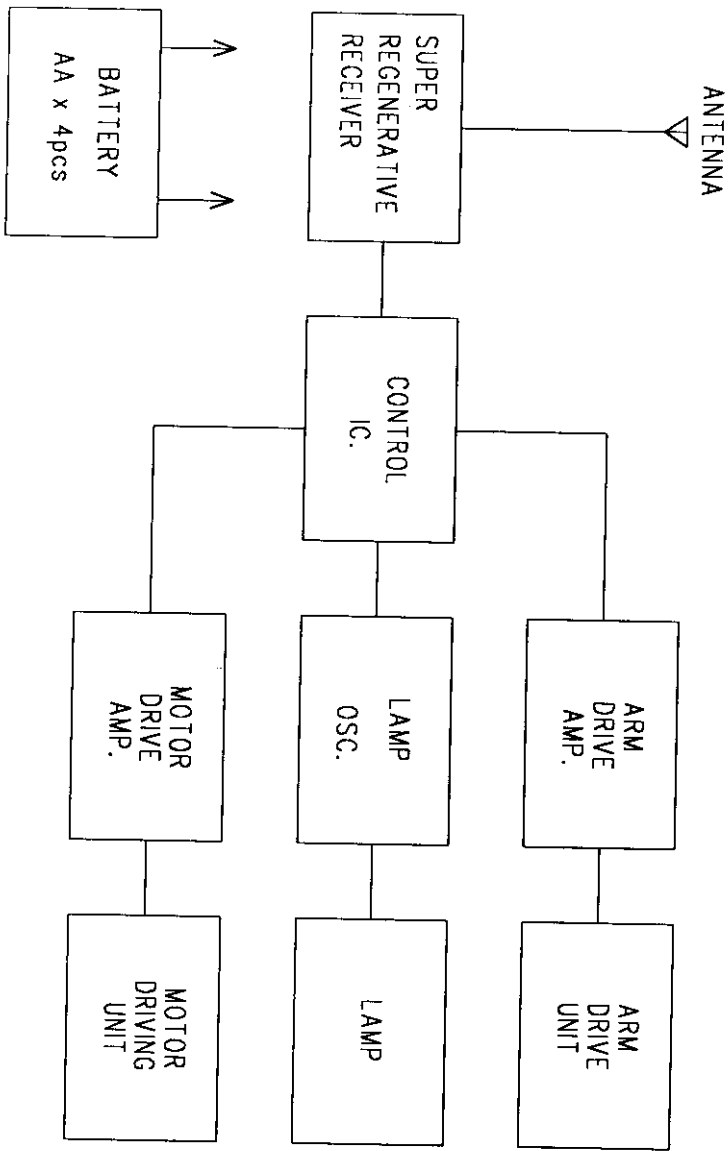


PCB:NO.RP3300 RECEIVER BLOCK DIAGRAM

FCC ID :CVTRP3300H



RP3300 CIRCUIT EXPLANATION

(FCC ID:CVTRP3300H)

1)The Radio Frequency inputted through The ANT.,is passed to the Super regenerative receiver,formed by TR1,where the Action Signal is detected.

2)The Action Signal is decode in the Ic.,and are send to each output terminal.

3)TR2,3,4 and 6 form the power motor drive control circuit.

TR8 and 9 form the steering control circuit.

TR10 and 11 form the LAMP drive oscillator.

4)Forward motion

IC.8P(Pin) is turned Hi,and TR3 and 6 are turned on to make a Forward drive.

5)Backward motion

IC.11P is turned Hi,and TR2 and 4 are turned on to make a backward drive.

6)Arm motion

IC.9 is turned Hi,and TR8 and 9 are turned on to make a Arm motion.

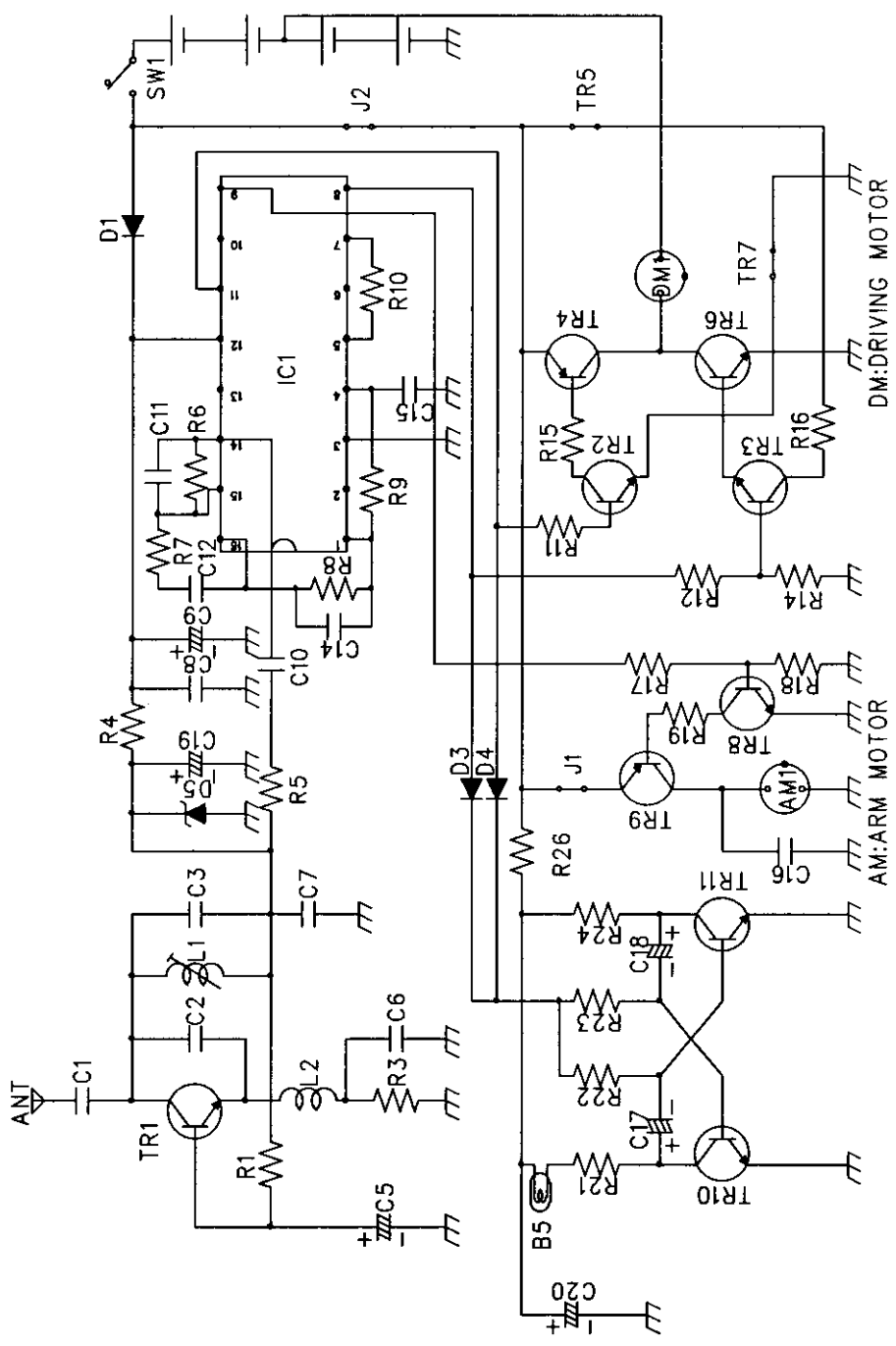
7)LAMP brinking

The LAMP blink during forward or backward.

NIKKO CO.,LTD.



R&D Dept. CHIEF Y.MAEDA



FCC ID:CVTRP3300H NO.RP3300 CIRCUIT DIAGRAM 1999.12.22 MM.

NO. RP3300 PCB PARTS LIST

FILE NO: RP3300

FCC ID : CVTRP3300H

2000.1.13

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I.C.	IC1	PT8A976AP(Pericom Technology Inc.)	
2	TRANSISTOR	TR1	2SC380-0	
3		TR2	2SC945Q or equivalent	
4		TR3	2SC945Q or equivalent	
5		TR4	KTA1271 or equivalent	
6		TR5	0 ohm(Between B-E)	
7		TR6	KTC3203 or equivalent	
8		TR7	0 ohm(Between B-E)	
9		TR8	2SC945Q or equivalent	
10		TR9	KTA1271 or equivalent	
11		TR10	KTC3203 or equivalent	
12		TR11	KTC3203 or equivalent	
13	DIODE	D1	270 ohm	
14		D3	1N4148 or equivalent	
15		D4	1N4148 or equivalent	
16		D5	3.3V(ZENER)	
17	RESISTOR	R1	150K	
18		R3	680	
19		R4	0 ohm	
20		R5	2.2K	
21		R6	2.2M	
22		R7	2.2K	
23		R8	2.2M	
24		R9	2.2K	
25		R10	560K	
26		R11	8.2K	
27		R12	8.2K	
28		R15	390	
29		R16	470	
30		R17	10K	
31		R18	22K	
32		R19	470	
33		R21	22(1/4W)	
34		R22	8.2K	
35		R23	8.2K	
36		R24	4.7K	
37		R25	2.2K	
38		R26	10	
39	CAPACITOR	C1	10p(C)	
40		C2	33p(C)	
41		C3	5p(C)	
42		C5	4.7(E)	
43		C6	222(M)	
44		C7	223(M)	
45		C8	104(C)	
46		C9	220(E)	
47		C10	104(C)	
48		C11	471(C)	
49		C12	104(C)	
50		C14	33p(C)	
51		C15	102(M)	
52		C16	473(C)	
53		C17	33(E)	
54		C18	33(E)	
55		C19	100(E)	
56		C20	220(E)	
57	INDUCTOR	L1	S065	
58		L2	SP 3.3uH	
59	JUMPER	J1	0 ohm	
60		J2	0 ohm	
61	EXTRA PARTS	EPT	PCB:NO. RP3300	

RESISTOR: No mark=1/6W, $\pm 5\%$ INDUCTOR: 100mA, $\pm 10\%$

CAPACITOR (C): Ceramic, 50WV, +80-20% (T): Tantalum, 35WV, $\pm 10\%$

(M): Mylar, 50WV[No mark=K, rank($\pm 10\%$), J, rank($\pm 5\%$)]

(E): Electrolytic, 16WV, $\pm 20\%$ (N): Non pole Electrolytic, 16WV, $\pm 20\%$