TN7700W　CIRCUIT EXPLANATION

1)TR1 forms the power circuit.

2)The power circuit status to operate when SW1 or SW2 is turn ON.

3)TR2 and TR3 forms the Radio Frequency oscillator.

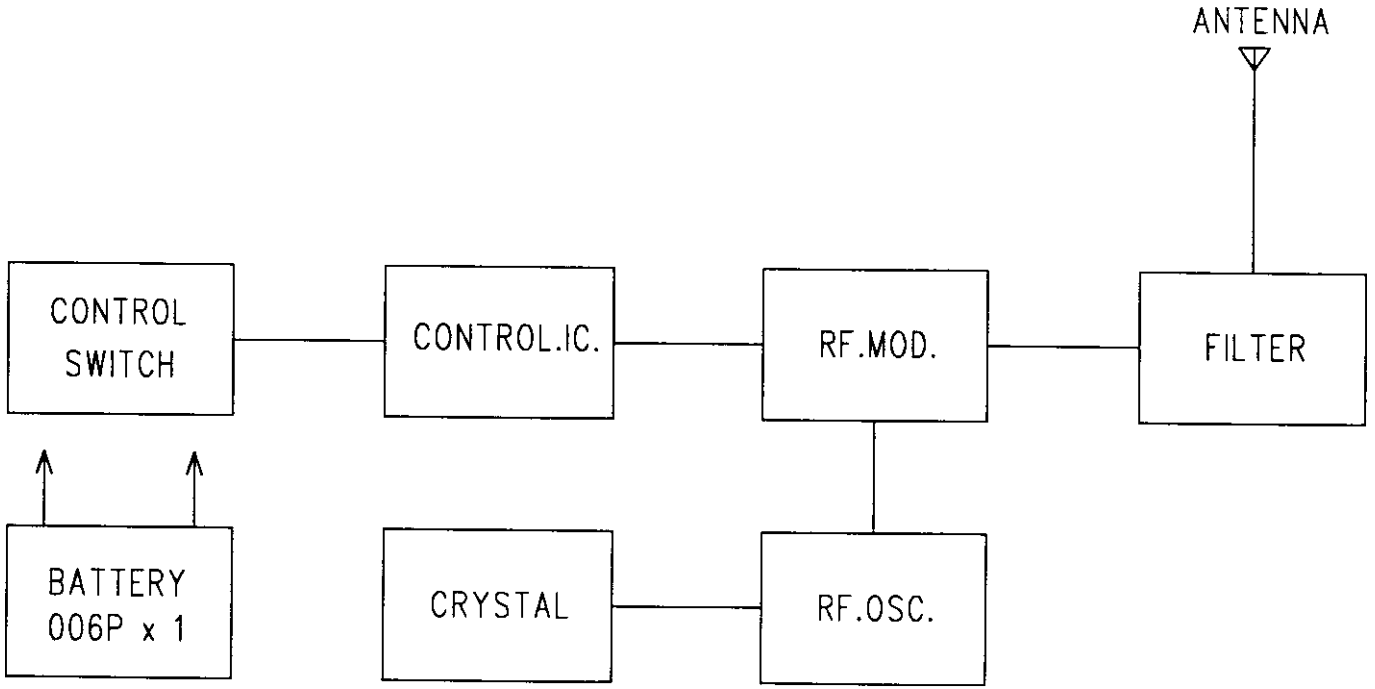
4)The Amplitude Modulation of the Radio Frequency is performed in TR3 by placing the waves on Audio Frequency.

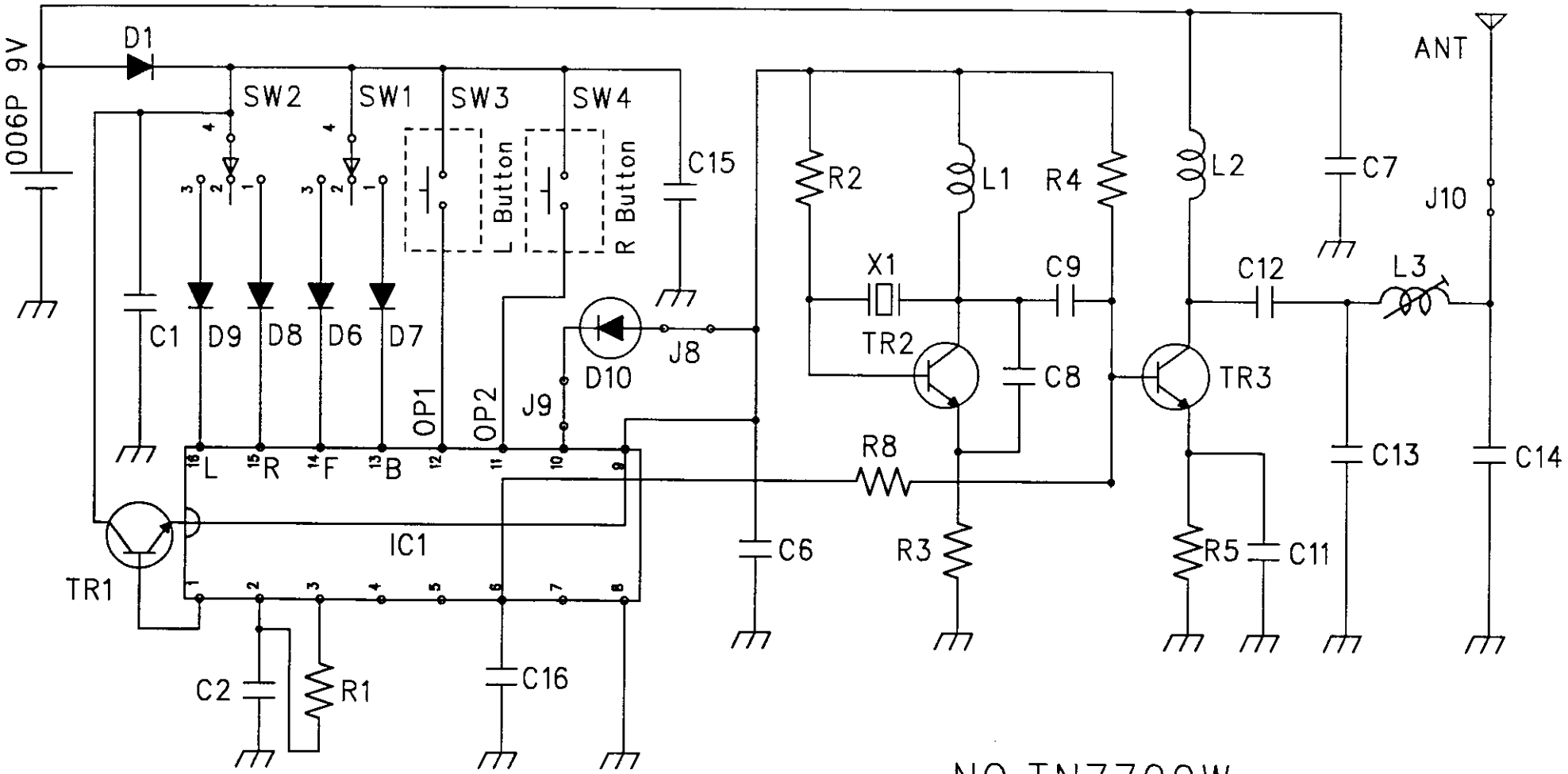
5)AM. waves are output into the collector of TR3,passed through the filter, and is transmitted from the Antenna.

NIKKO CO.,LTD.

R&D Dept. CHIEF Y.MAEDA

PCB:NO.TN7700W TRANSMITTER BLOCK DIAGRAM





SW3,4:SUB PCB (NO.TS0400)

NO.TN7700W

CIRCUIT DIAGRAM

NO. TN7700W LIST

49MHz

NO.	DESCRIPTION	CODE	PARTS NAME	NOTE
1	I.C.	IC 1	NT9601	
2	TRANSISTOR	TR 1	2SC945Q or equivalent	
3		TR 2	2SC945Q or equivalent	
4		TR 3	2SC945Q or equivalent	
5	DIODE	D 1	1SS133 or equivalent	
6		D 6	0 ohm	
7		D 7	0 ohm	
8		D 8	0 ohm	
9		D 9	0 ohm	
10		D10	LED:D5mm	
11		D11	-	
12		D12	-	
13		D13	-	
14	RESISTOR	R 1	6.8K(+-1%)	
15		R 2	120K	
16		R 3	100	
17		R 4	22K	
18		R 5	100	
19		R 7	-	
20		R 8	100	
21		R 9	-	
22	CAPACITOR	C 1	103(C)	
23		C 2	102J(M)	
24		C 6	103(C)	
25		C 7	103(C)	
26		C 8	22p(C)	
27		C 9	5p(C)	
28		C10	-	
29		C11	103(C)	
30		C12	22p(C)	
31		C13	47p(C)	
32		C14	5p(C)	
33		C15	103(C)	
34		C16	103(C)(Between IC6P-8P)	
35		C17	-	
36	INDUCTOR	L 1	SP 1uH	
37		L 2	SP 1uH	
38		L 3	8.5T	
39	JUMPER	J 5	-	
40		J 8	0 ohm	
41		J 9	0 ohm	
42		J10	0 ohm	
43		J11	-	
44	EXTRA PARTS	EP 1	X1:49.860MHz	*CITIZEN
45		EP 2	ANTENNA FITTING:AH-45	
46		EP 3	SUB PCB:NO.S2 x 2	
47		EP 4	MAIN PCB:NO.TN7700W	
48				
49				

RESISTOR・・・No mark:1/6W, +-5%　　INDUCTOR・・・100mA, +-10%

CAPACITOR:(C)=CERAMIC・・・50WV, +80-20%

:(M)=MYLAR・・・50WV, No mark(K-rank):+-10%, J-rank:+-5%

:(E)=ELECTROLYTIC・・・16WV, +-20%

:(T)=TANTALUM・・・35WV, +-10%