

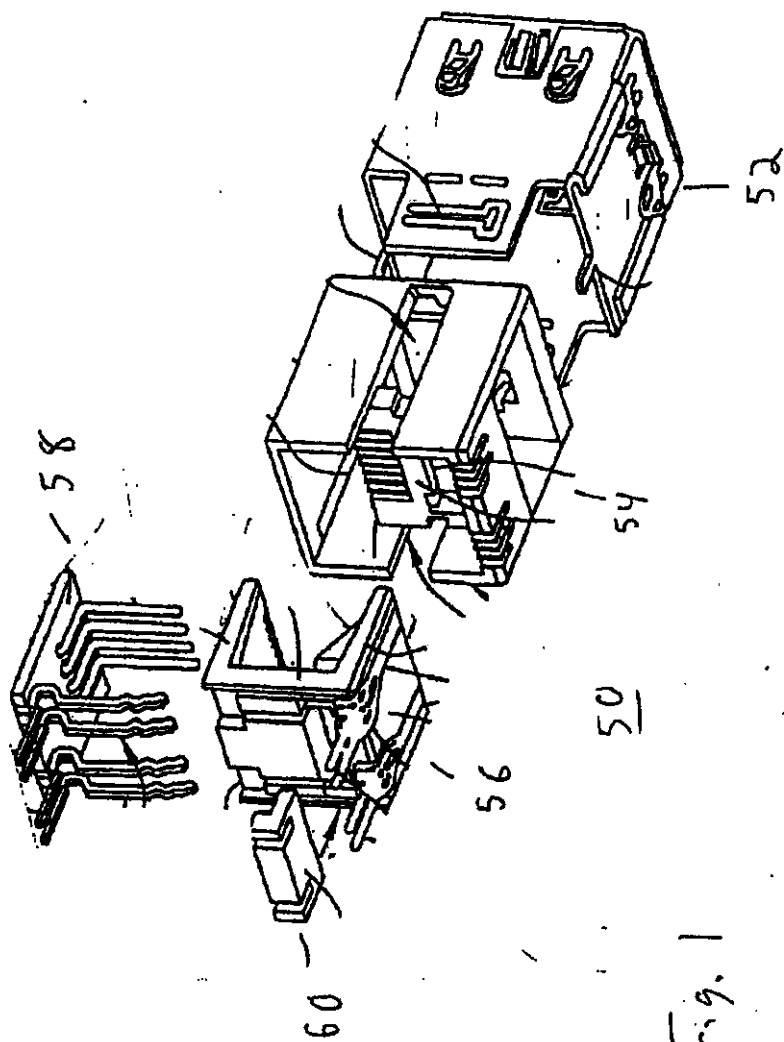


Fig. 1

- Prior Art -

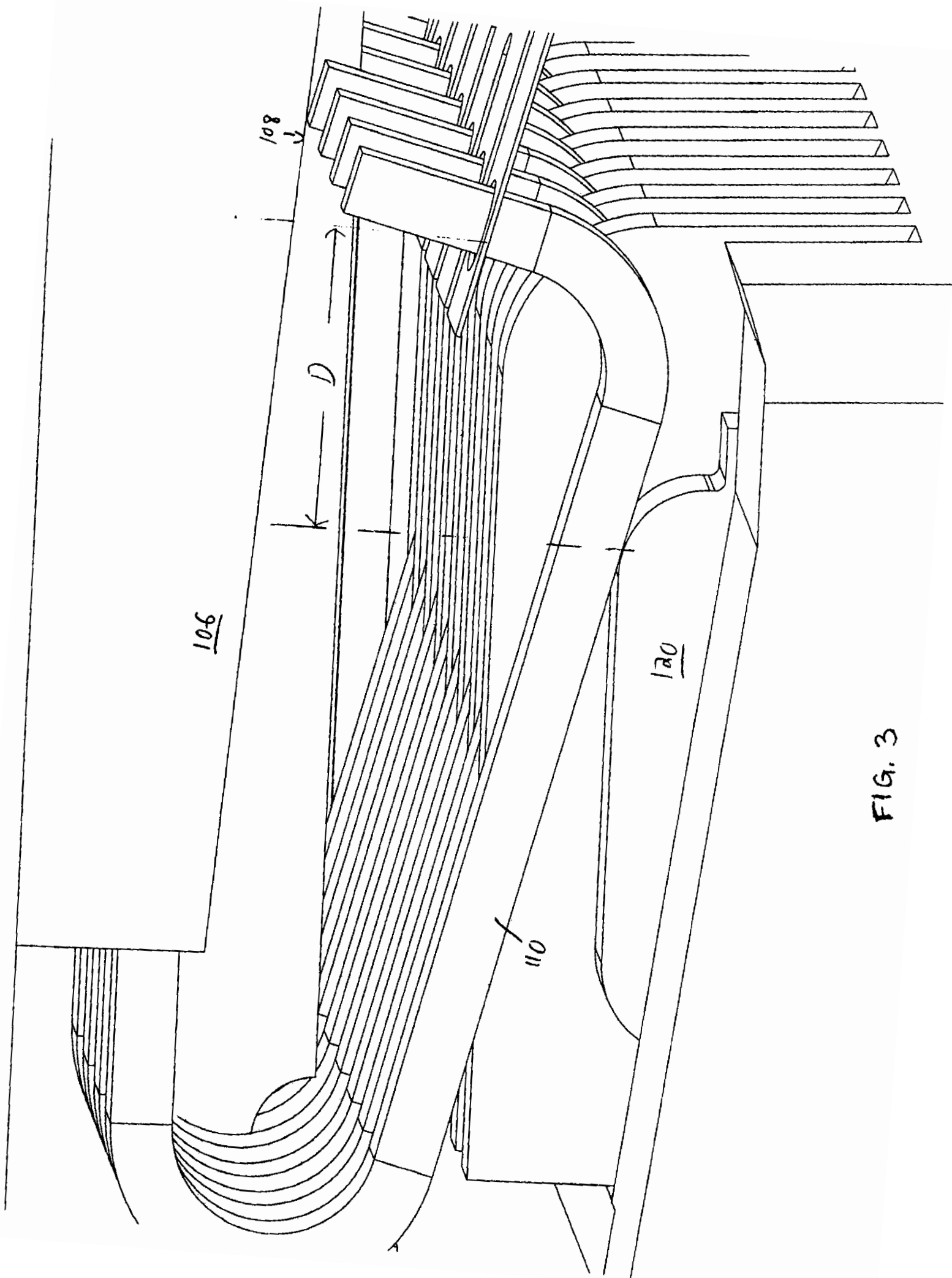


FIG. 3

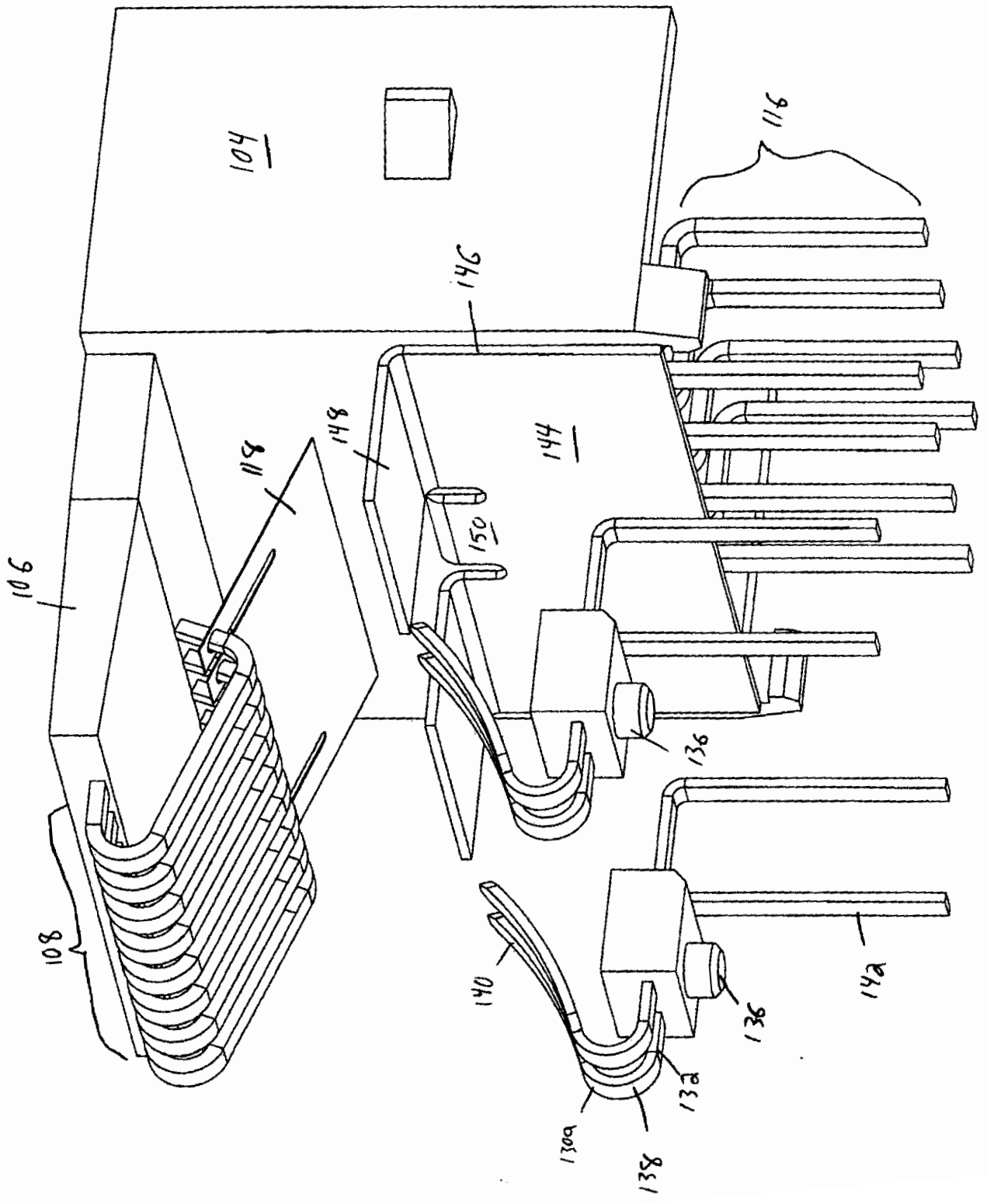


FIG. 4

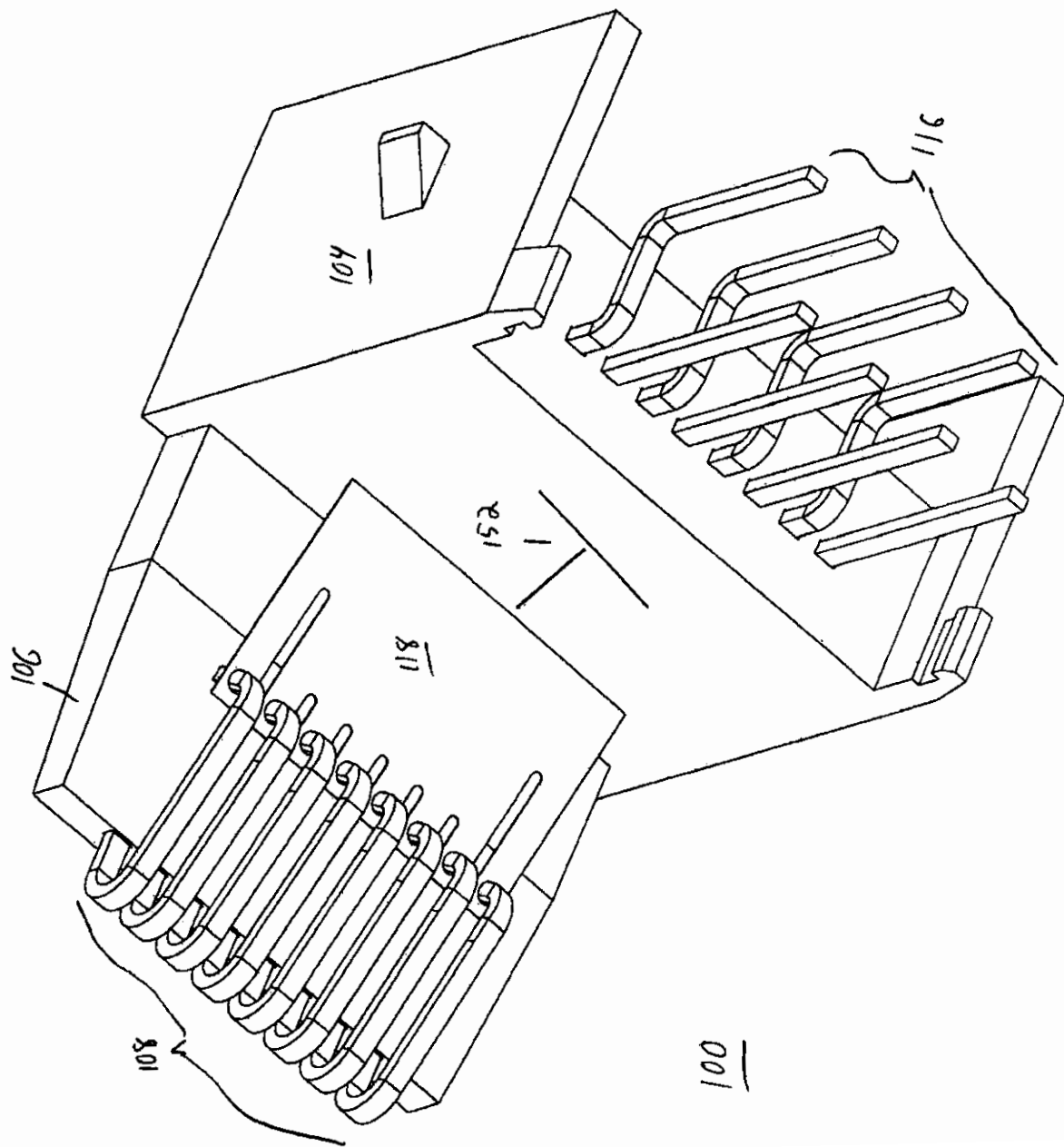


FIG. 5

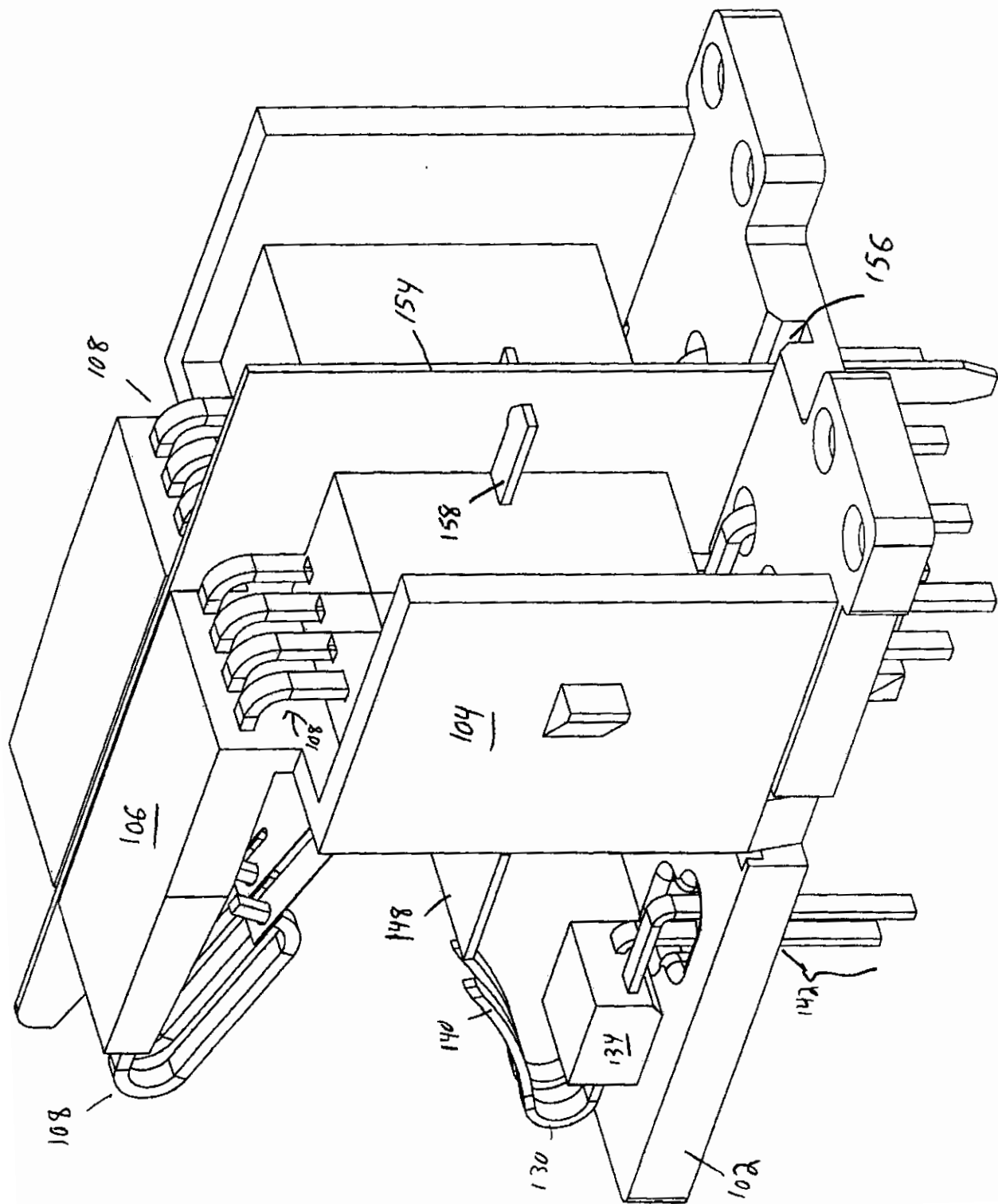


FIG. 6

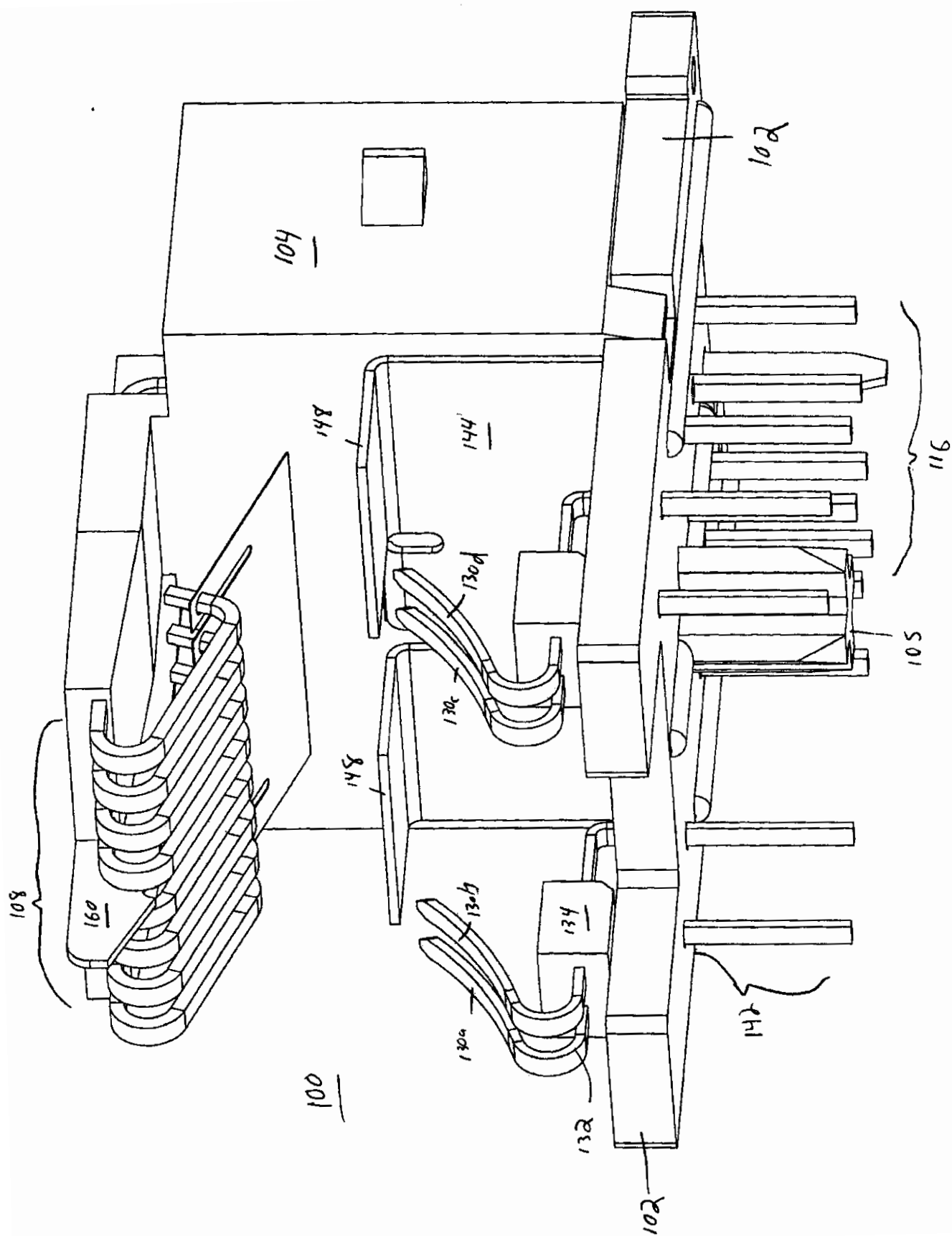


FIG. 7

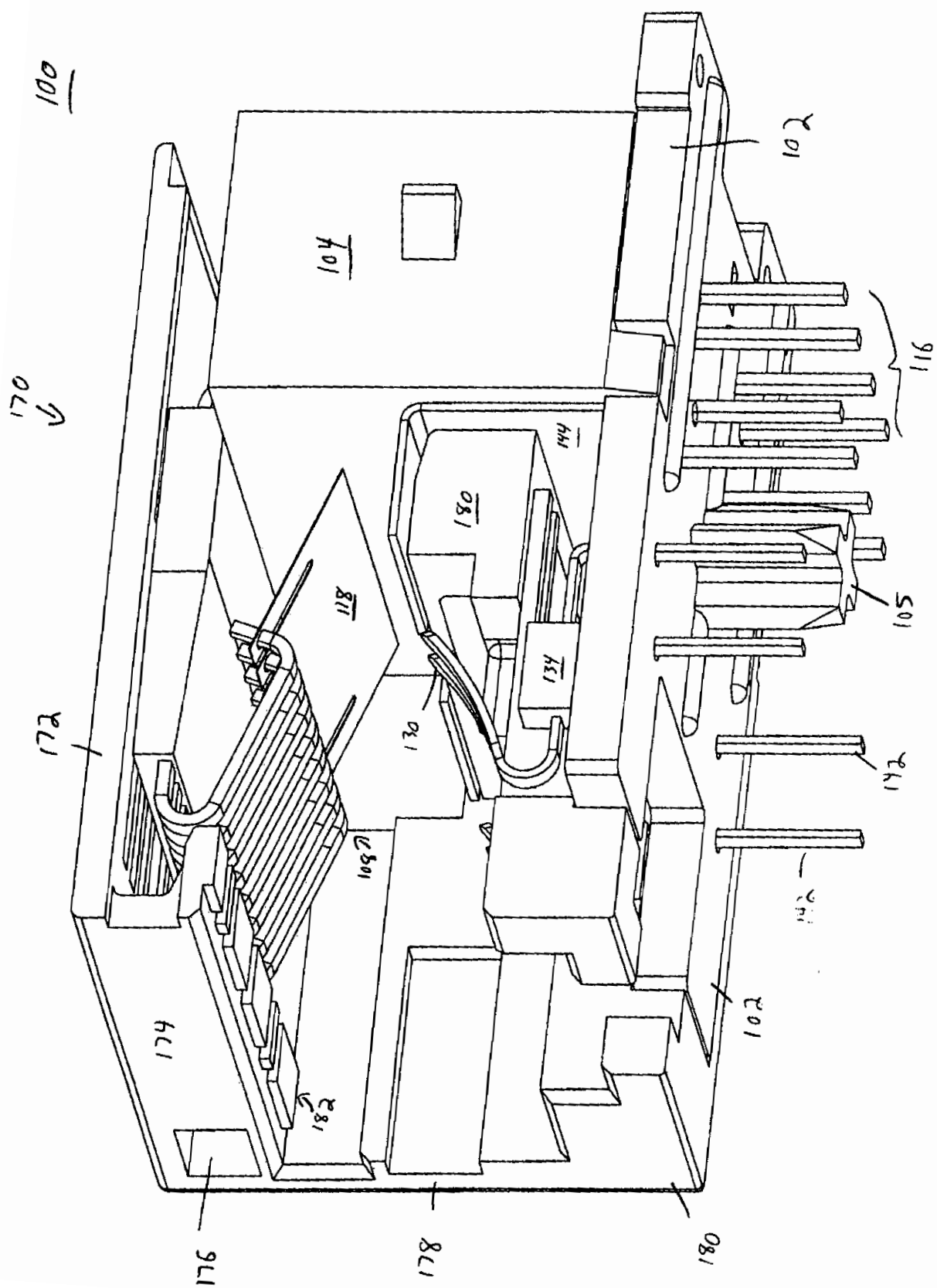


Fig. 8

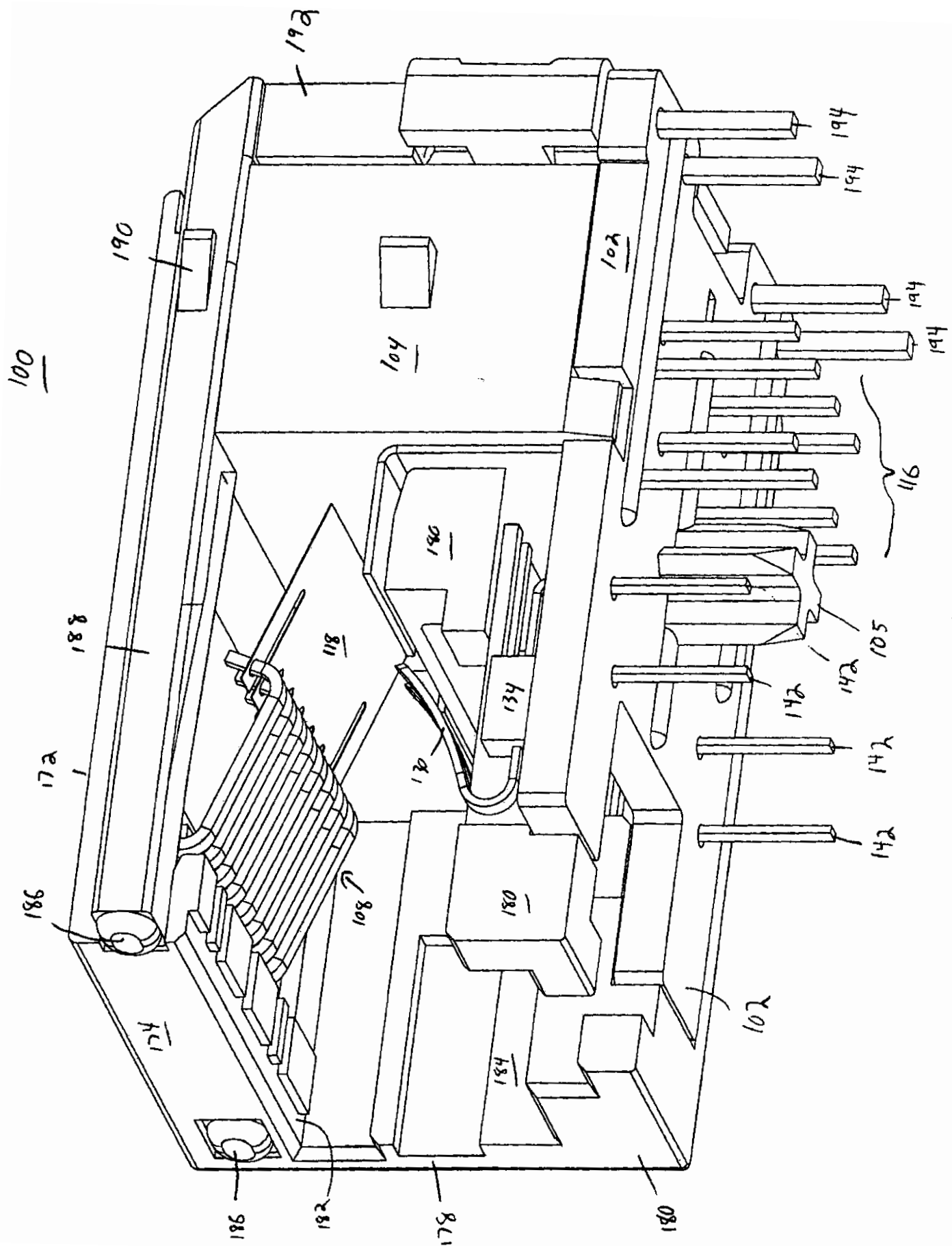


FIG. 9

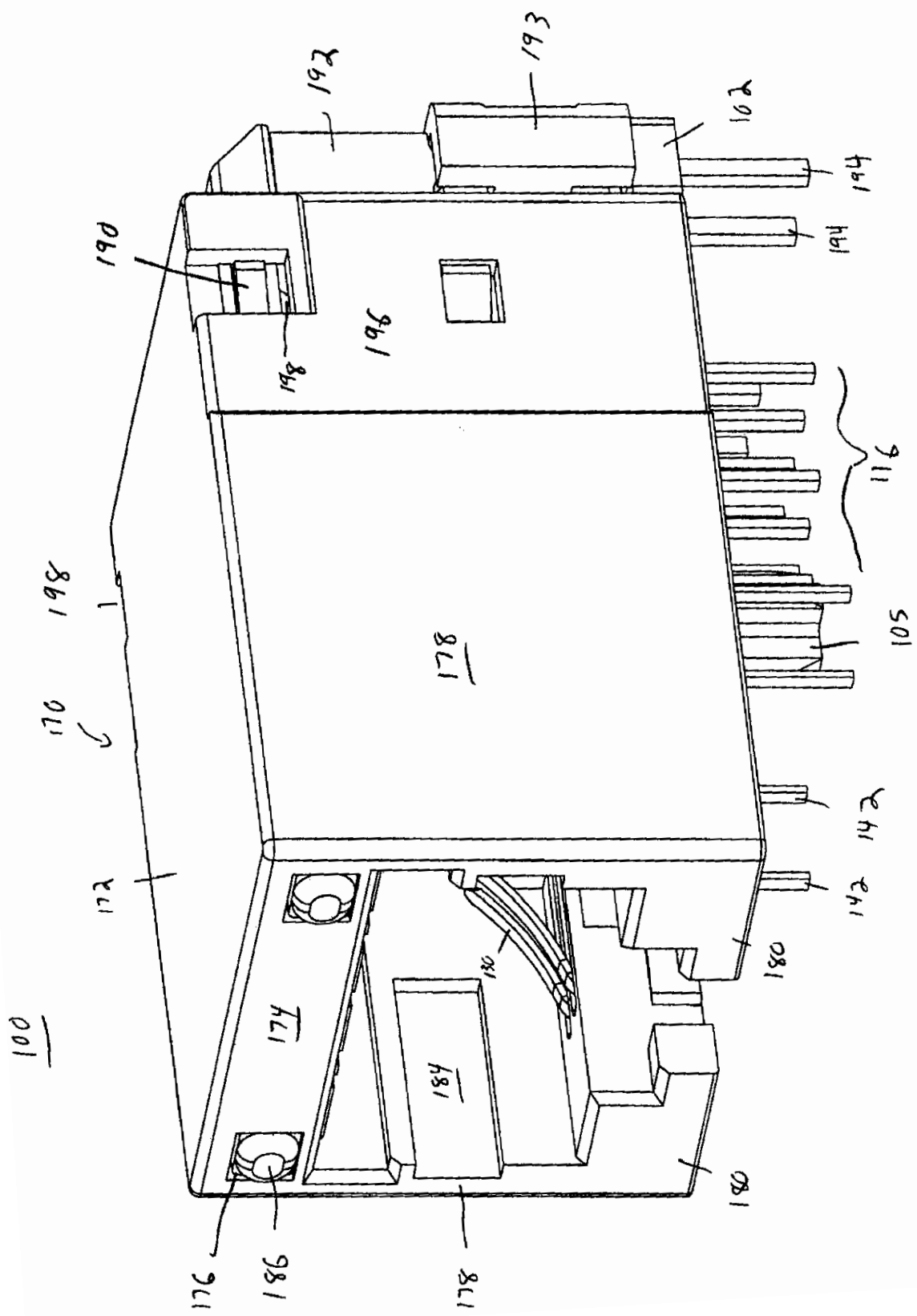


FIG. 10

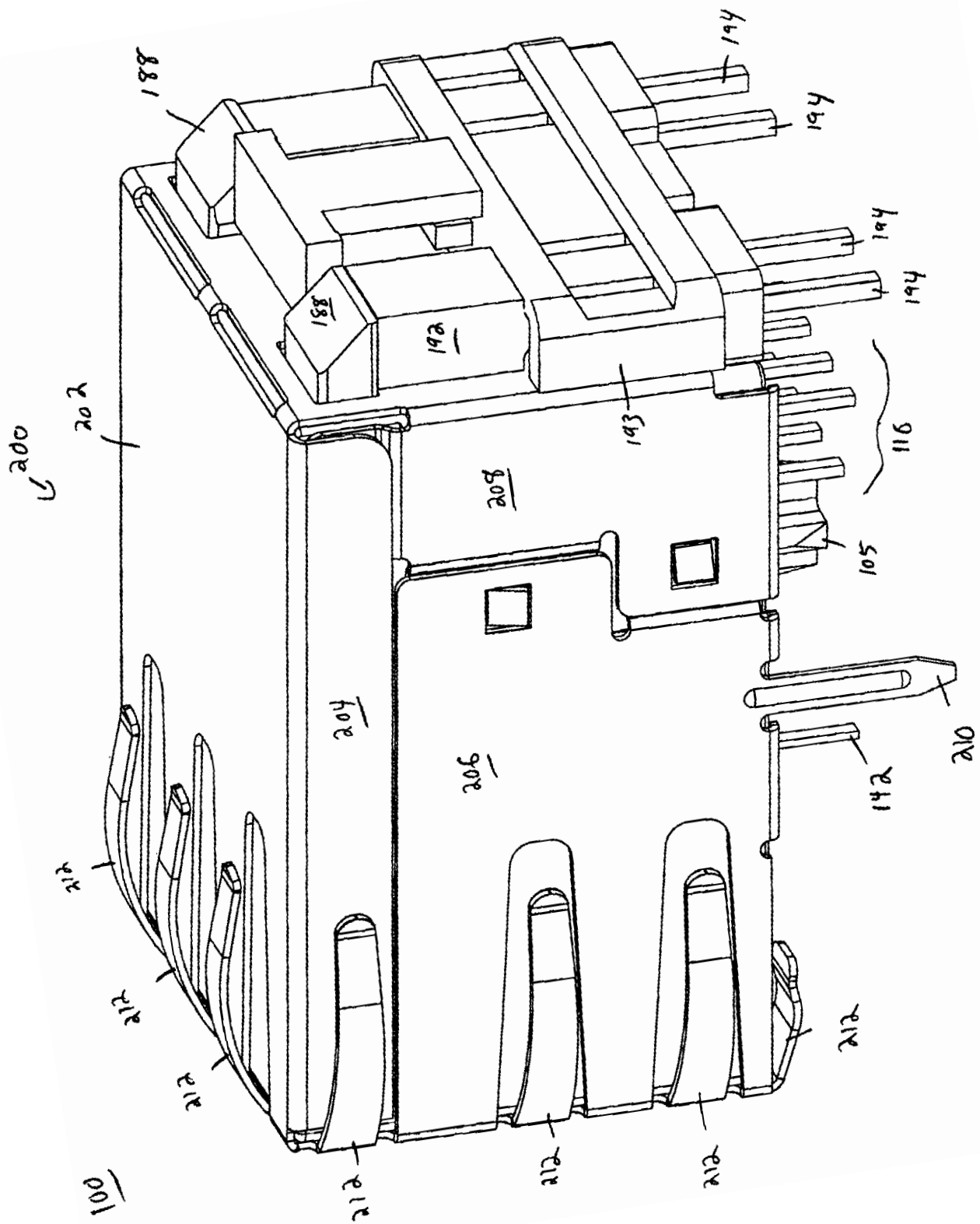


Fig. 11

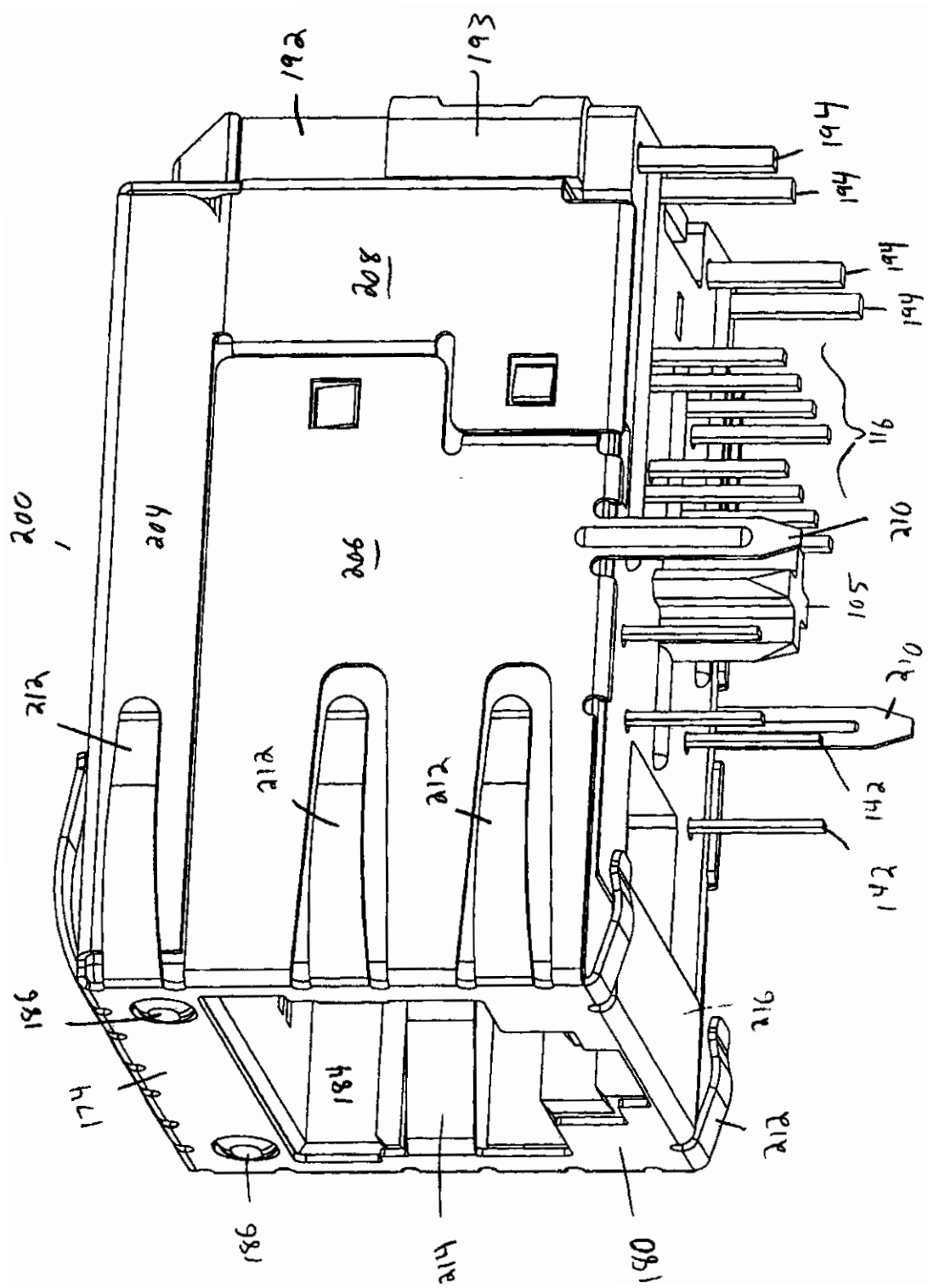


FIG. 12

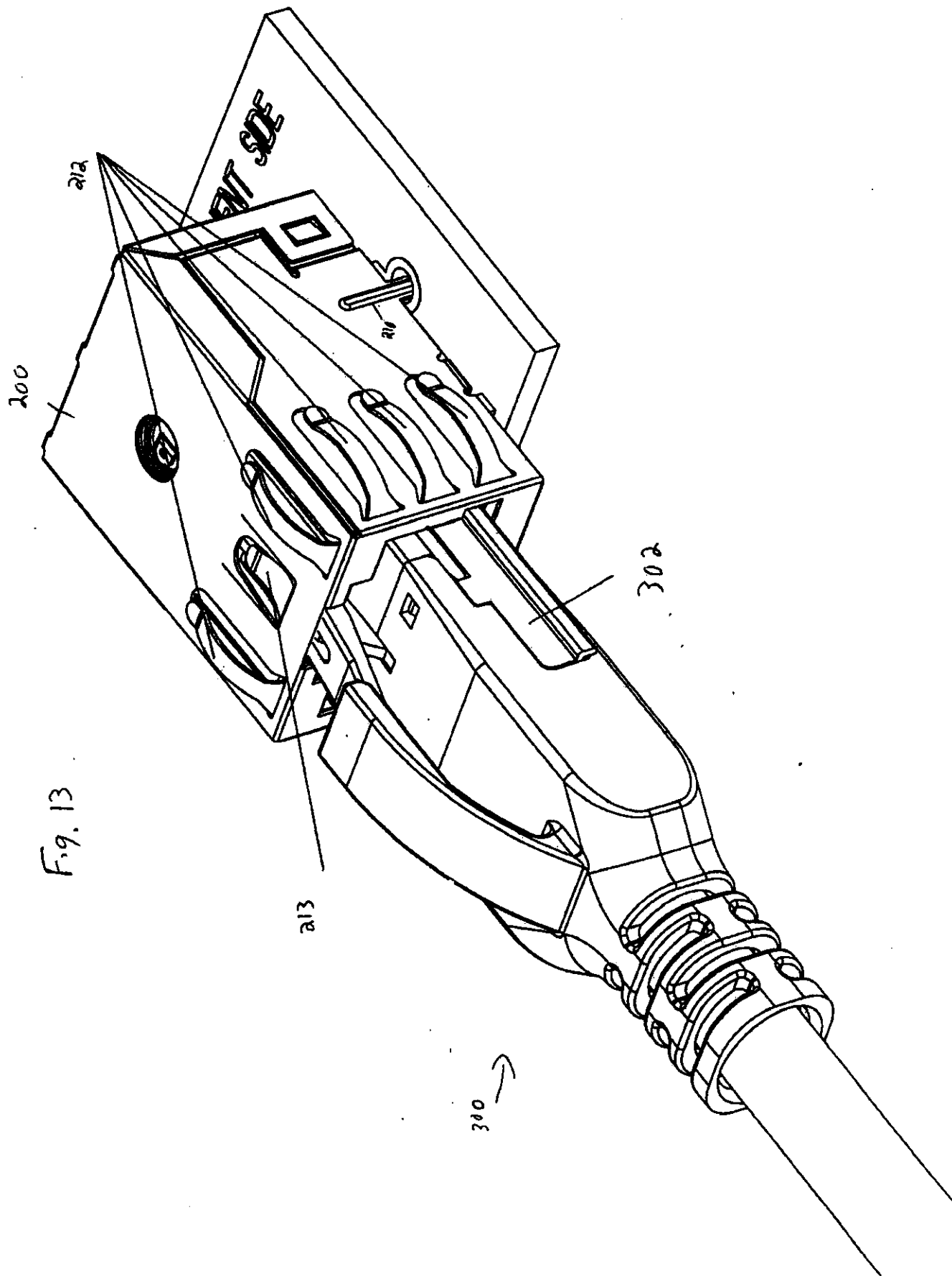


Fig. 14

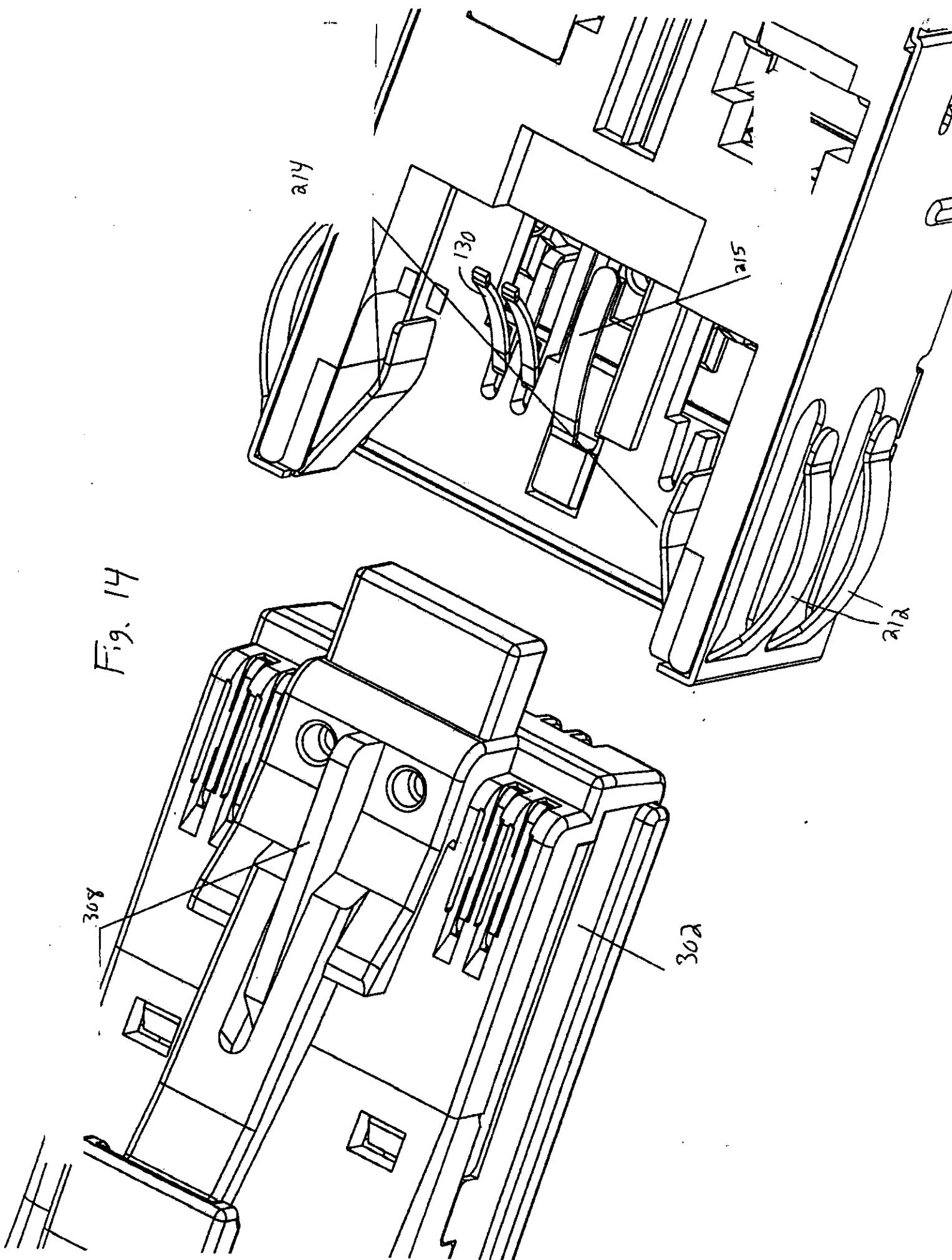


Fig. 15

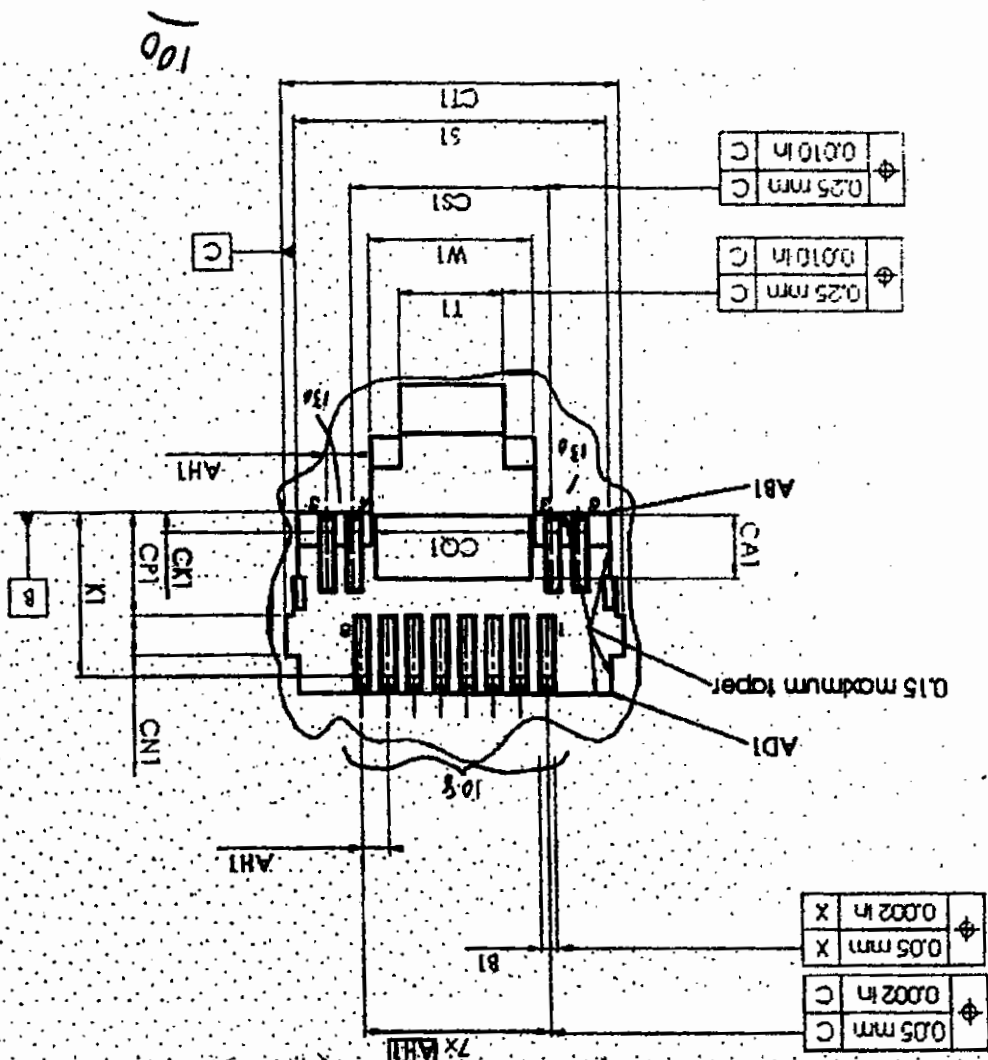


Fig. 16

100

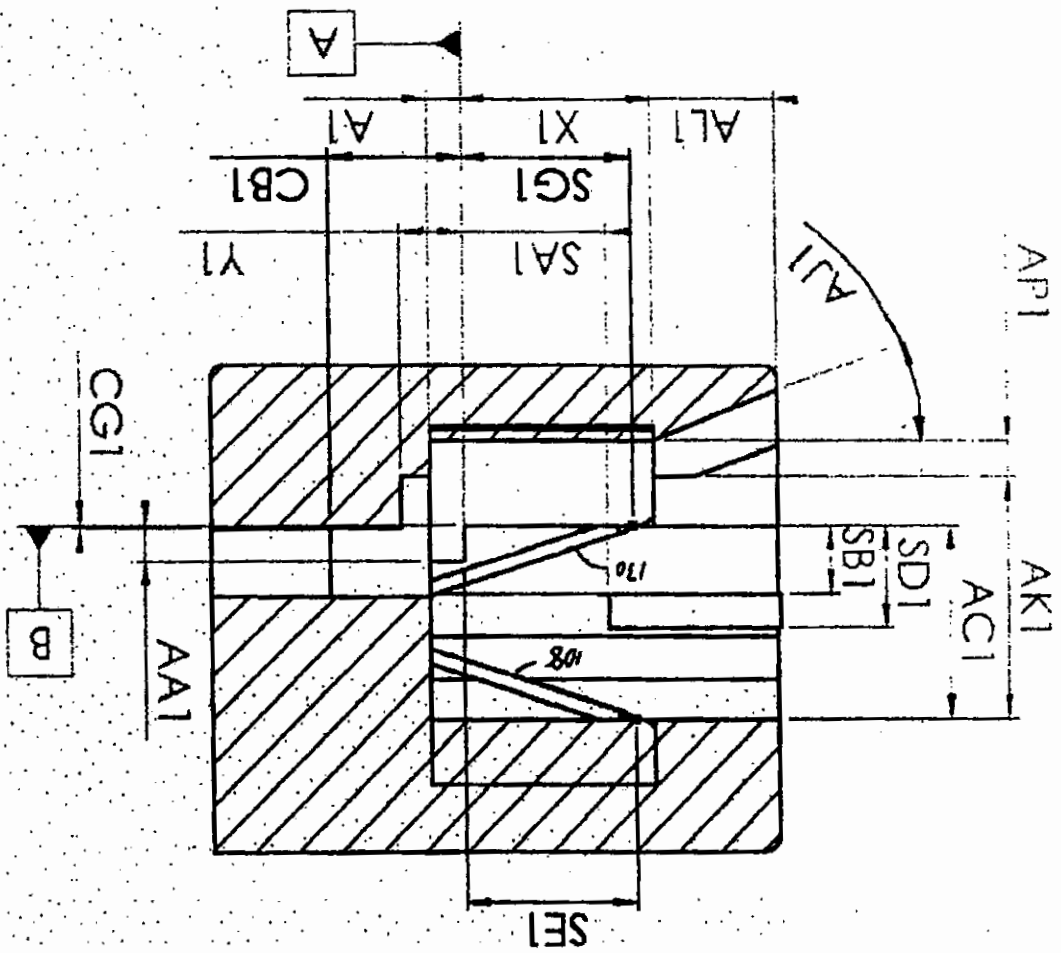


Fig. 17

Letter	Maximum	Minimum	Nominal
	mm	mm	mm
A1		1,47	
B1	0,71		
K1*	5,84		
S1	12,04	11,84	11,94
T1	4,19	3,94	
W1	6,38	6,22	
X1	6,66	6,66	
Y1		2,34	
AA1*	1,24		
AB1	0,38		
AC1	6,66	6,76	6,66
AD1	0,13		
AH1*			1,02
AK1	8,66	8,38	
AL1*		1,40	
AP1*		1,27	
CA1	2,30	2,20	
CG1	0,10		
CK1*		0,65	
CN1	1,40	1,30	
CP1	5,05	4,95	

Letter	Maximum	Minimum	Nominal
	mm	mm	mm
A1		1,47	
B1	0,71		
K1*	5,84		
S1	12,04	11,84	11,94
T1	4,19	3,94	
W1	6,38	6,22	
X1	6,66	6,66	
Y1		2,34	
AA1*	1,24		
AB1	0,38		
AC1	6,66	6,76	6,66
AD1	0,13		
AH1*			1,02

F.9 18

Letter	mm		Nominal
	Maximum	Minimum	
CQ1	6.00	5.80	
CS1			7.66
CT1	13.0	12.9	
BA1		5.31	
SB1		2.16	
SD1	4.90		
SE1	5.80		
SG1 ^a	5.80		
Letter			
AJ1 angle			15°

Notes

a. K1, CK1: Contact Zone. Contacts shall be completely within their individual contact zone in the area indicated.

b. AA1: Preferred male free connector stop

c. AL1: Front surface need not be planar or coincident with the surface below the locking device as long as insertion, latching and unlatching of free connectors is not inhibited. Projections beyond AL1 dimension shall not prevent finger access to the free connector locking (coupling) device.

d. SE1: Maximum forward extension of contacts below surface AC1, to avoid contact with shields of free connectors. Applies in the mated state.

e. SG1: Maximum forward extension of contacts below surface Reference Plane B, to avoid contact with shields of free connectors. Applies in the mated state.

f. SG1: When this dimension is greater than 2.5 mm, and the fixed connector is mated with a IEC 60603-7-1,2,3,4,5 free connector, switch option 2 should be utilized, to maintain the clearance requirement between signal conductors 6',3',4',5' of the fixed connector and the screen of this free connector. Note that SG1 is 0.0 mm in the mated state with this IEC 60603-7-1,2,3,4,5 free connector.

g. AP1: Flat surface

h. AH1: True position

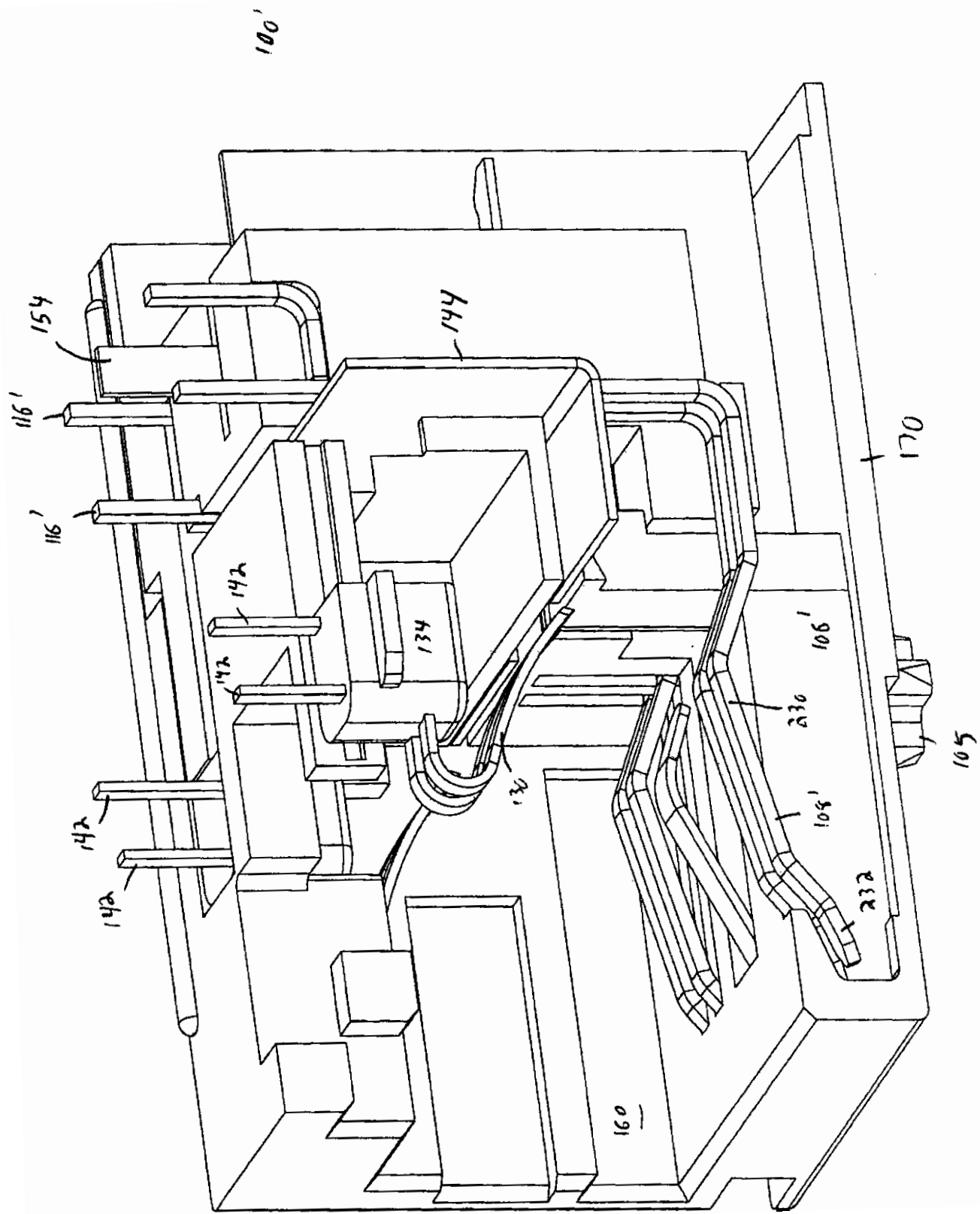


FIG. 19

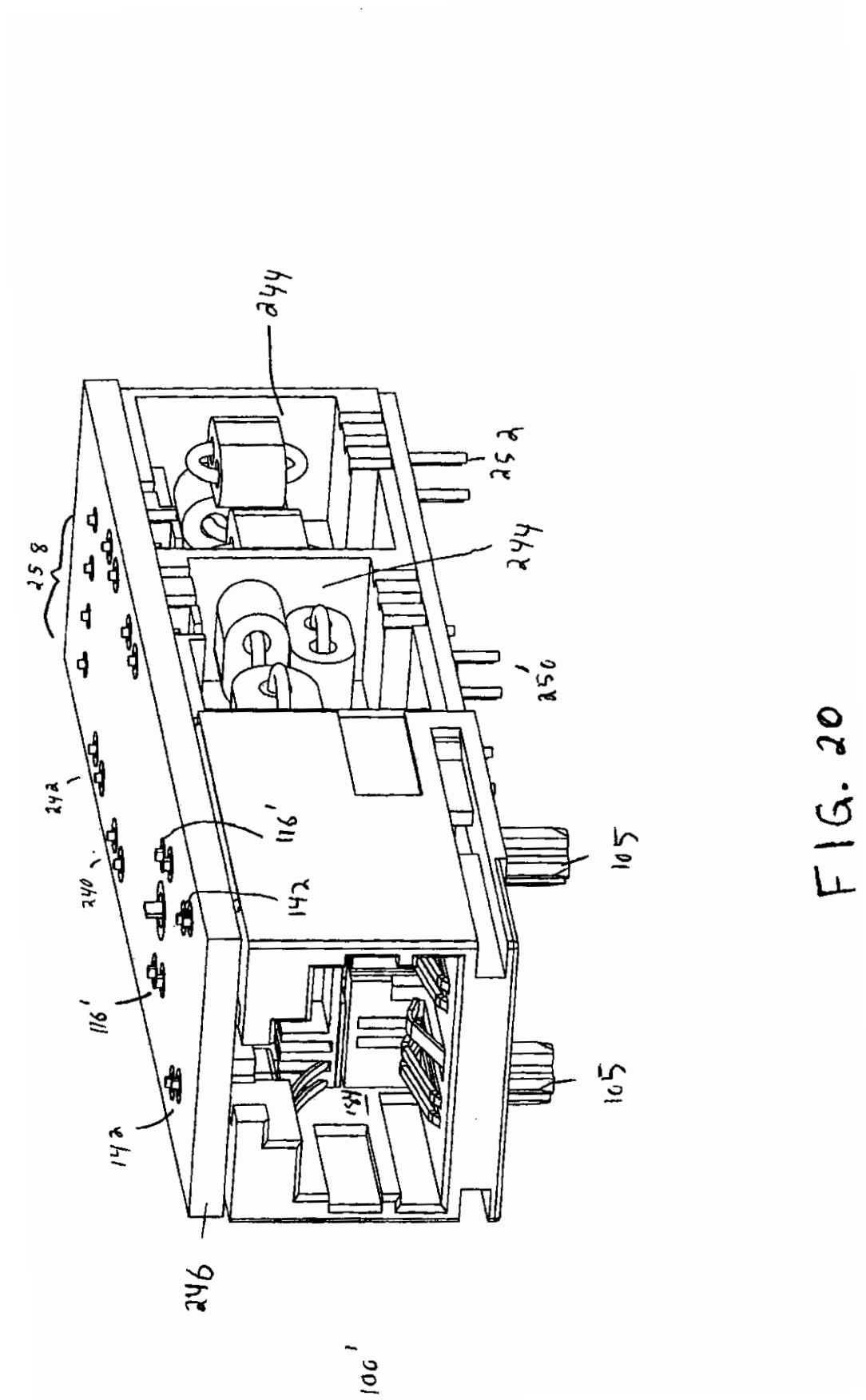


FIG. 20

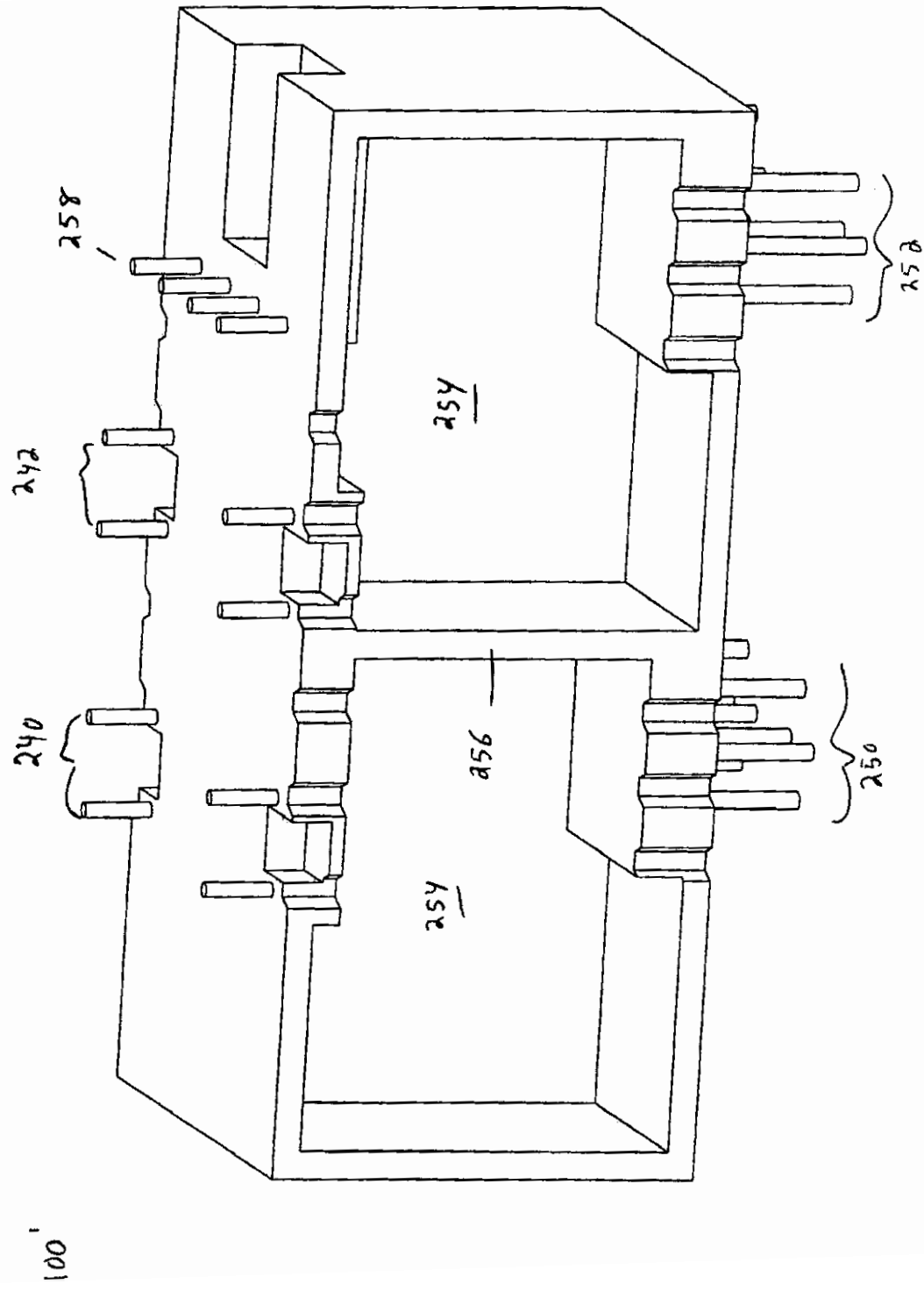


FIG. 21

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO (P7-P6) : (J4-J5) (P11-P10) : (J3-J6) (P3-P2) : (J7-J8) (P15-P14) : (J1-J2)	: 1 : 1 ±2% : 1 : 1 ±2% : 1 : 1 ±2% : 1 : 1 ±2%
DCL @ 100kHz, 100mV RMS 8mA DC BIAS (P3-P2) : (P7-P6) : (P11-P10) : (P15-P14) LEAKAGE INDUCTANCE: P3-P2 (WITH J7 AND J8 SHORT) P7-P6 (WITH J4 AND J5 SHORT) P11-P10 (WITH J3 AND J6 SHORT) P15-P14 (WITH J1 AND J2 SHORT)	: 350 uH MIN. : 20nH MAX. @ 1MHz : 20nH MAX. @ 1MHz : 20nH MAX. @ 1MHz : 20nH MAX. @ 1MHz
INTERWINDING CAPACITANCE: (P3-P2) : (J7-J8) (P11-P10) : (J3-J6) (P7-P6) : (J4-J5) (P15-P14) : (J1-J2)	: 5pF MAX @ 1MHz : 5pF MAX @ 1MHz : 5pF MAX @ 1MHz : 5pF MAX @ 1MHz
DC RESISTANCE: (J6-J3) : (J2-J1) : (J7-J8) : (J4-J5)	: 1.2 ohms Max.
RETURN LOSS (RS=RL=100 ohms) 1MHz TO 30MHz 30MHz TO 60MHz 60MHz TO 80MHz 80MHz TO 300MHz	: -19dB MIN. : -13dB MIN. : -12dB MIN. : -10dB MIN.
DIELECTRIC WITHSTAND: (J1,J2) TO (P15,P14) : (J4,J5) TO (P7-P6) : 1500 VAC (J3,J6) TO (P11,P10) : (J7,J8) TO (P3,P2) : 1500 VAC	: 1500 VAC : 1500 VAC
INSERTION LOSS: 100kHz TO 300MHz 300MHz TO 400MHz	: -1.1 dB TYP : -1.5 dB TYP
CROSS TALK: 1-100 MHz COMMON TO COMMON MODE ATTENUATION: 1MHz TO 500MHz	: -35dB MIN. : TBD
DIFFERENTIAL TO COMMON MODE ATTENUATION: 1MHz TO 500MHz	: TBD : TBD

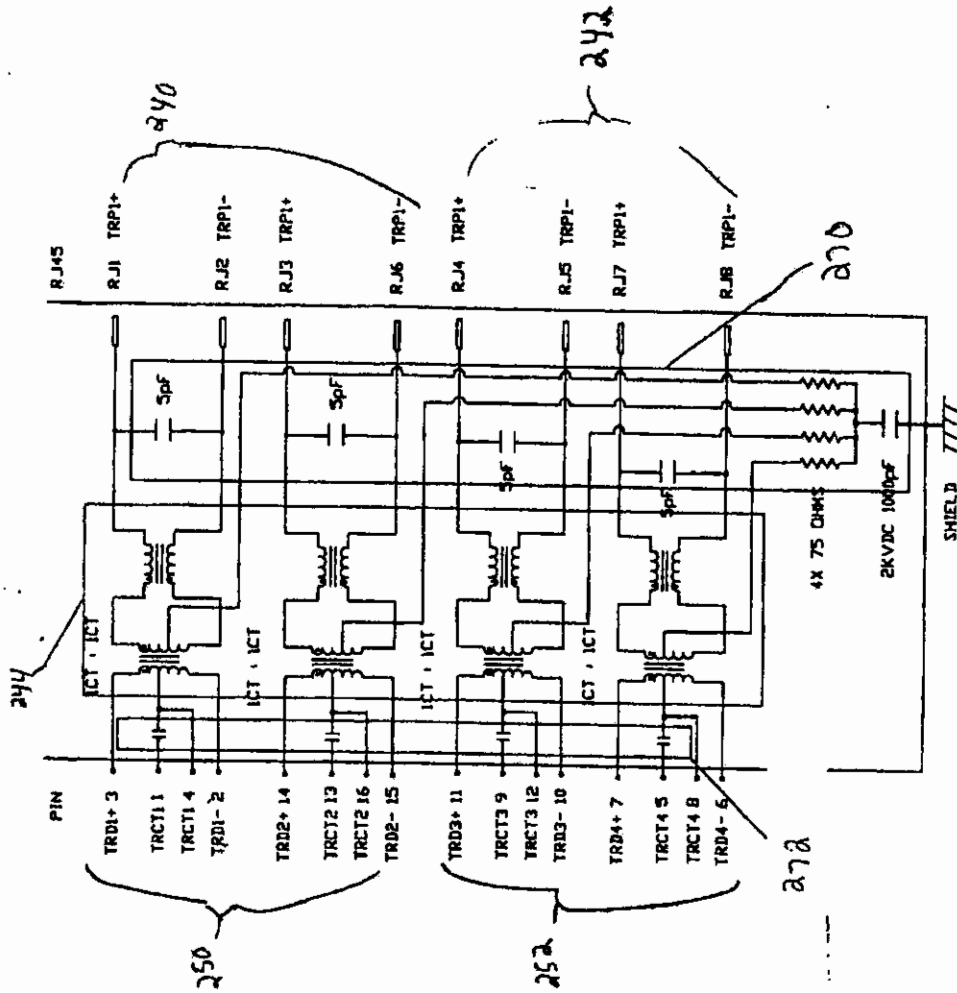


Fig. 2a

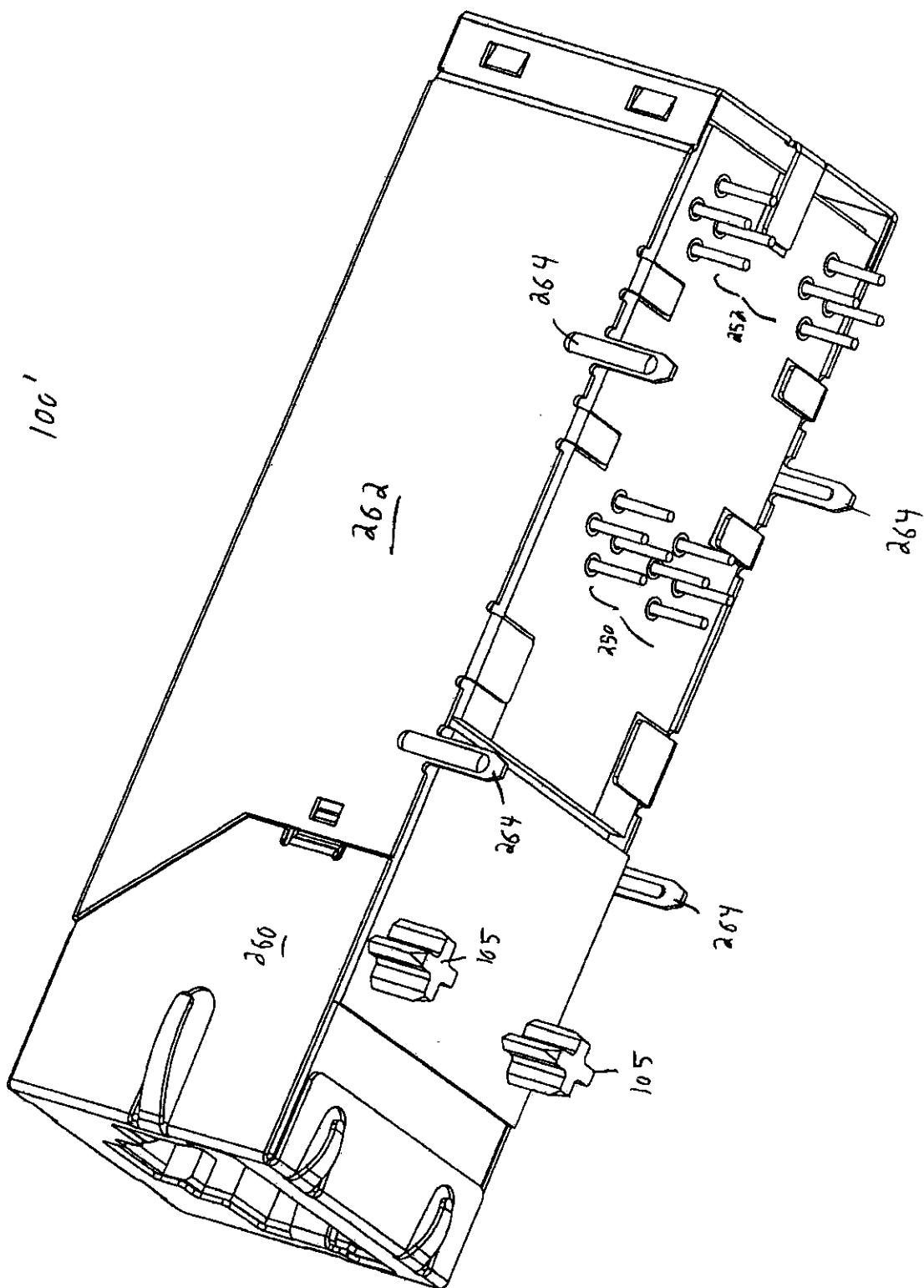


FIG. 23