

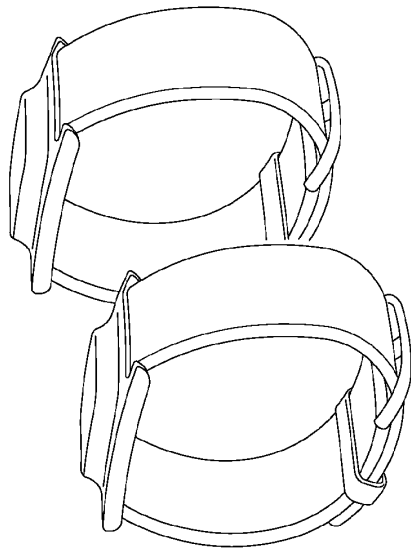


FIG. 1C

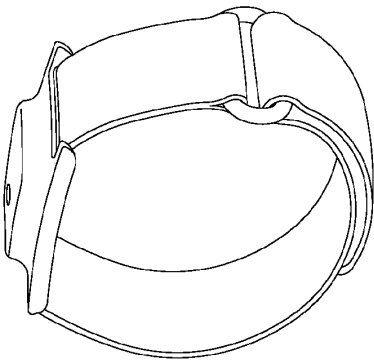


FIG. 1B

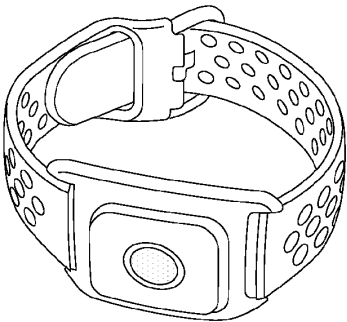


FIG. 1A

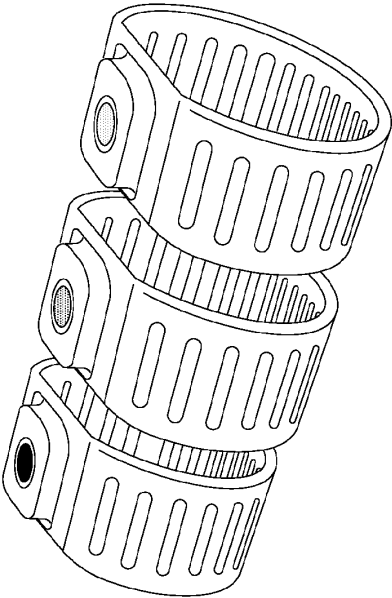


FIG. 2B

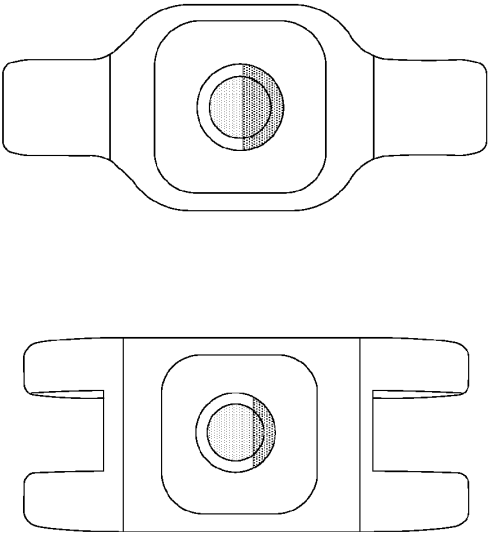


FIG. 2A

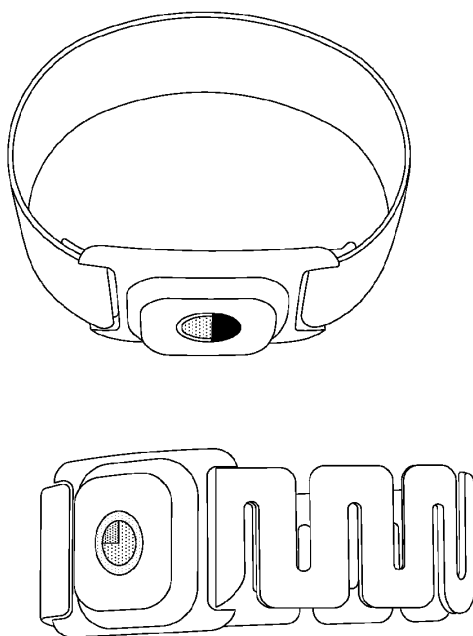


FIG. 2C

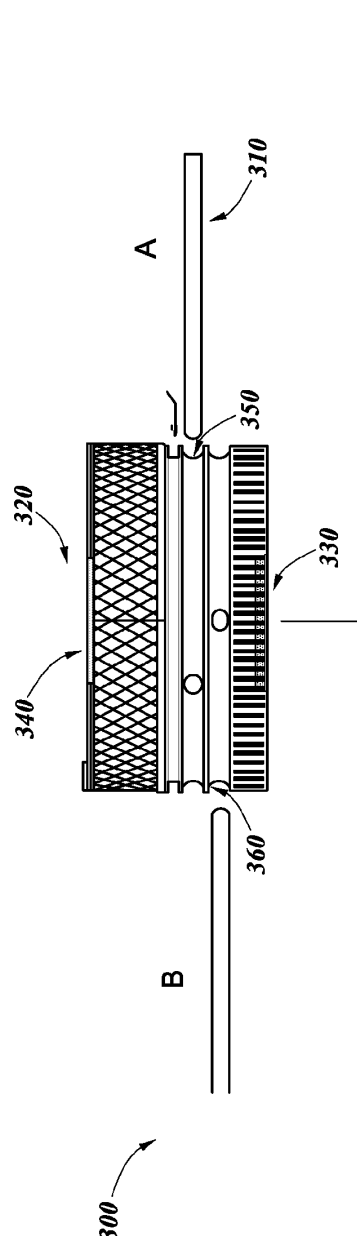


FIG. 3A

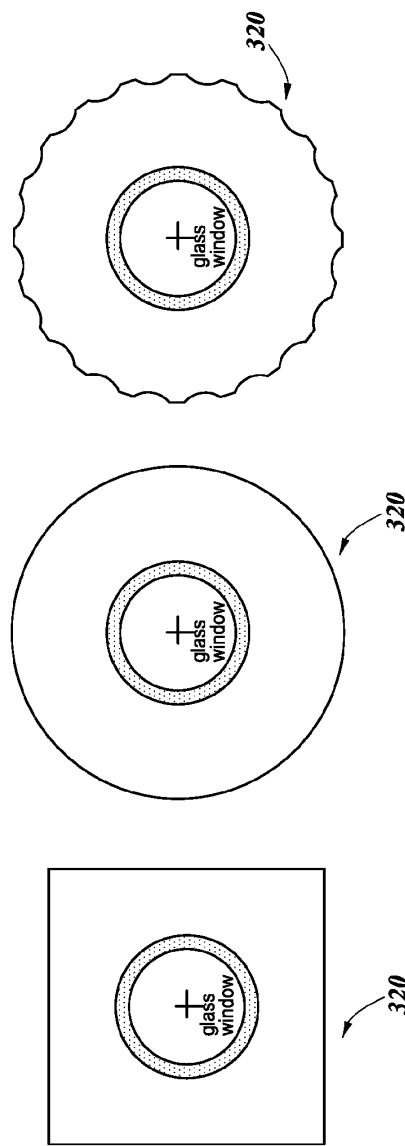


FIG. 3B

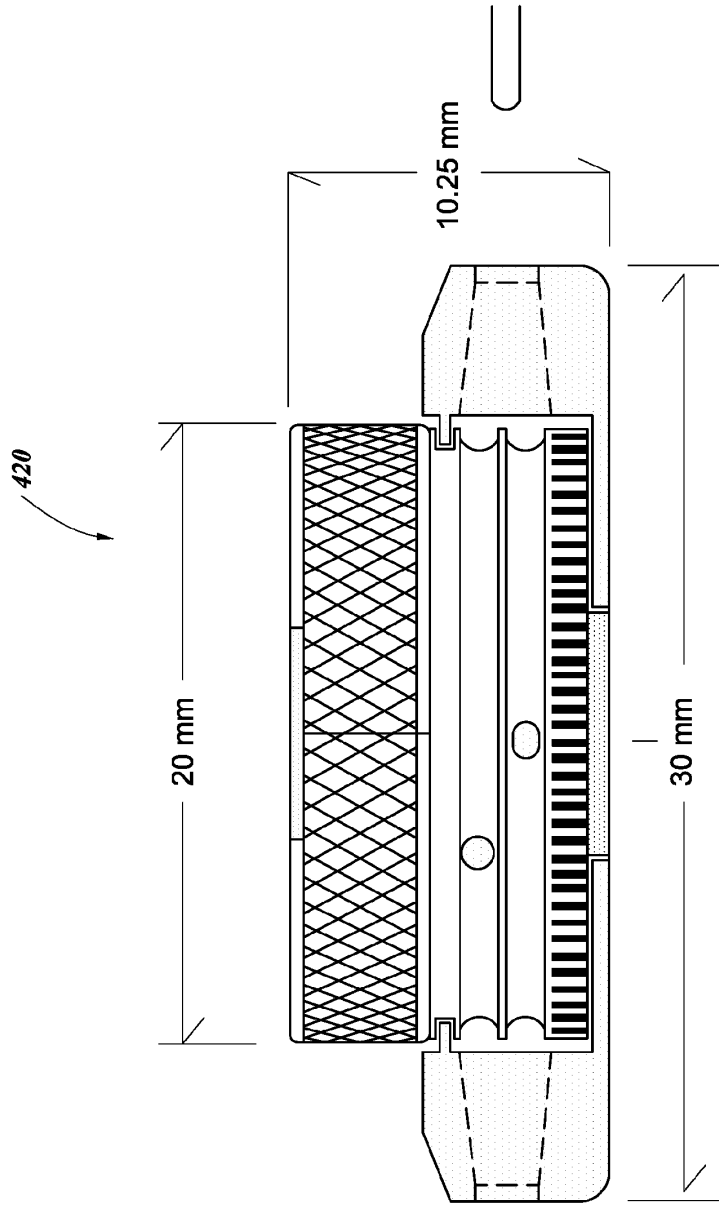


FIG. 4

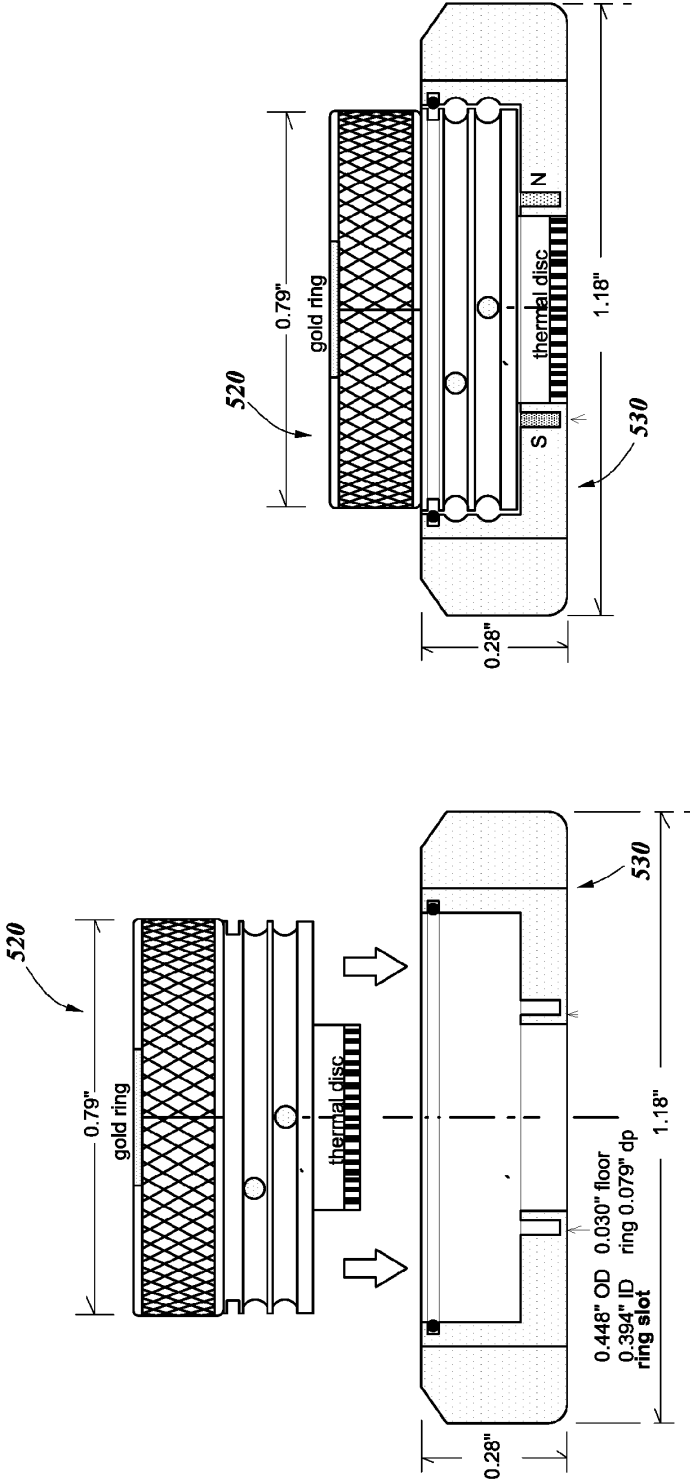


FIG. 5B

FIG. 5A

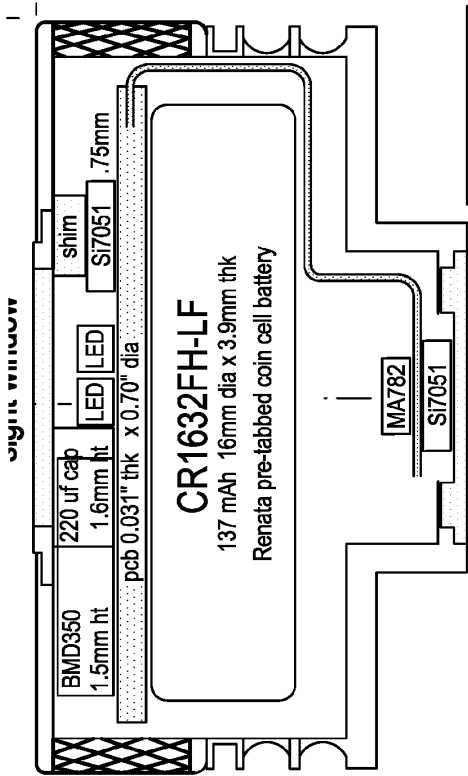


FIG. 6A

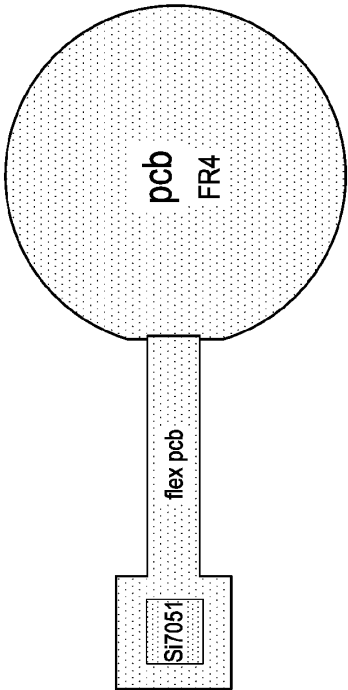


FIG. 6B

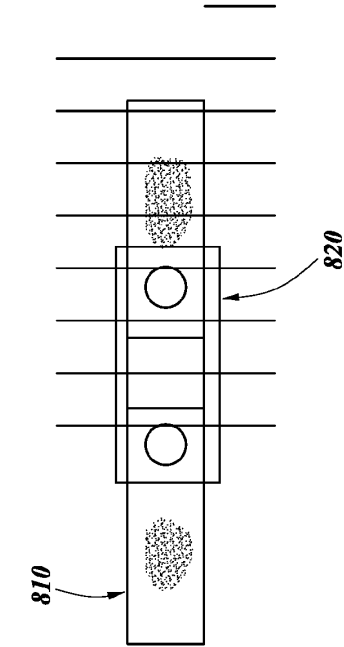


FIG. 8

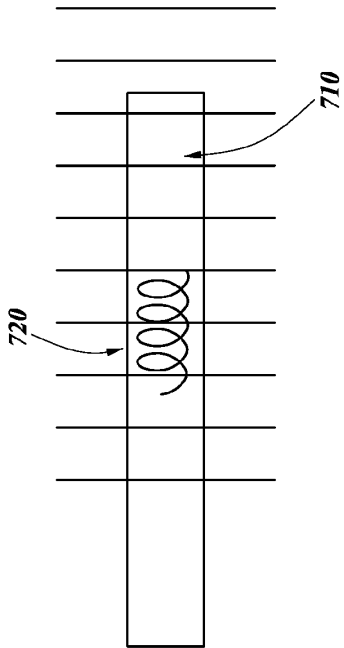
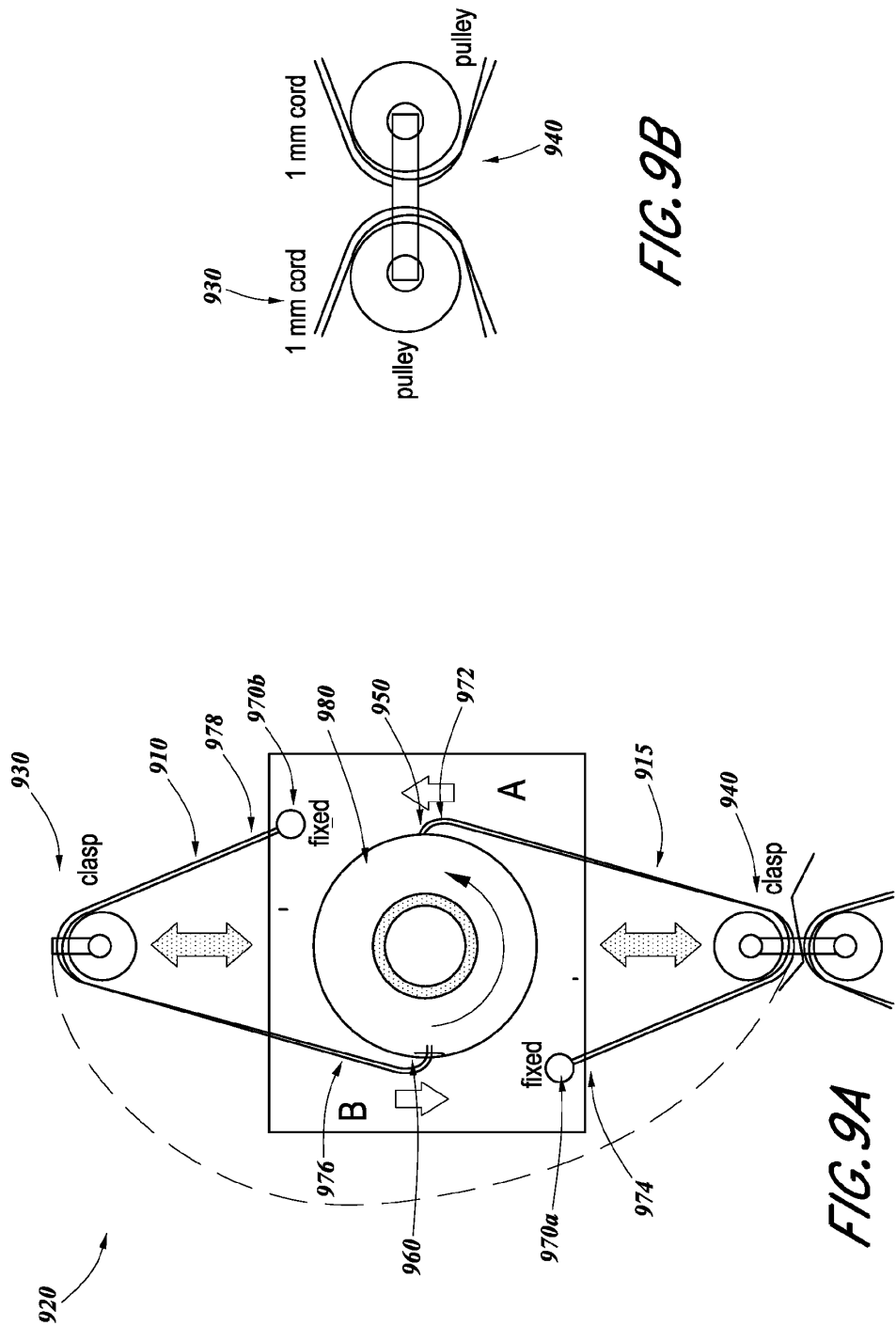


FIG. 7



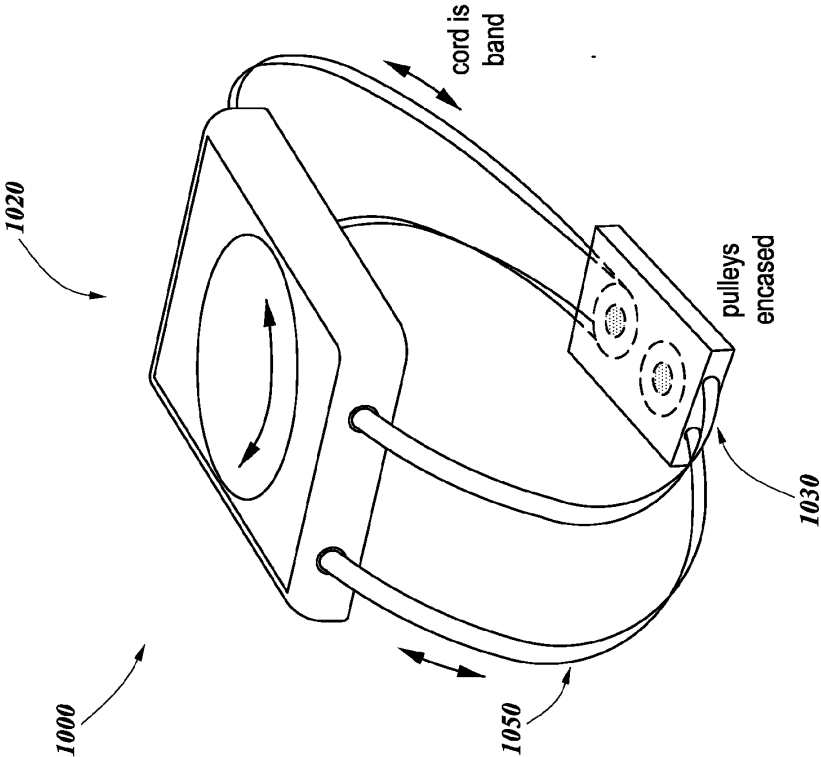


FIG. 10

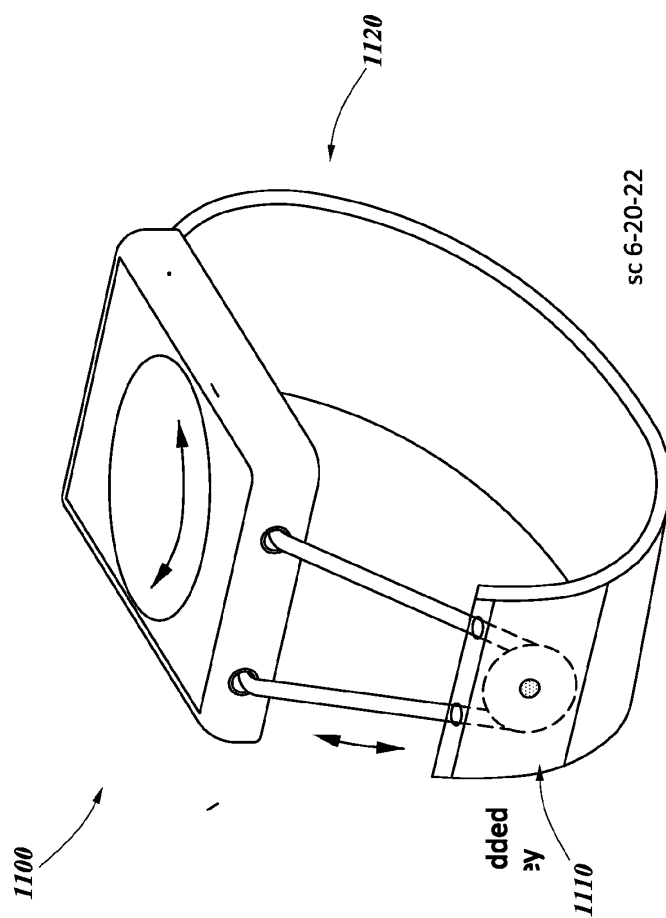


FIG. 11

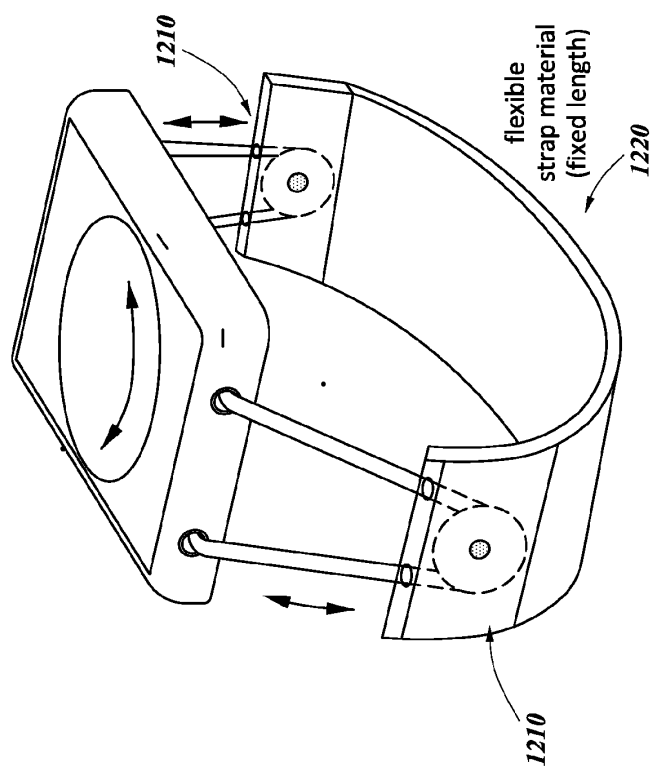
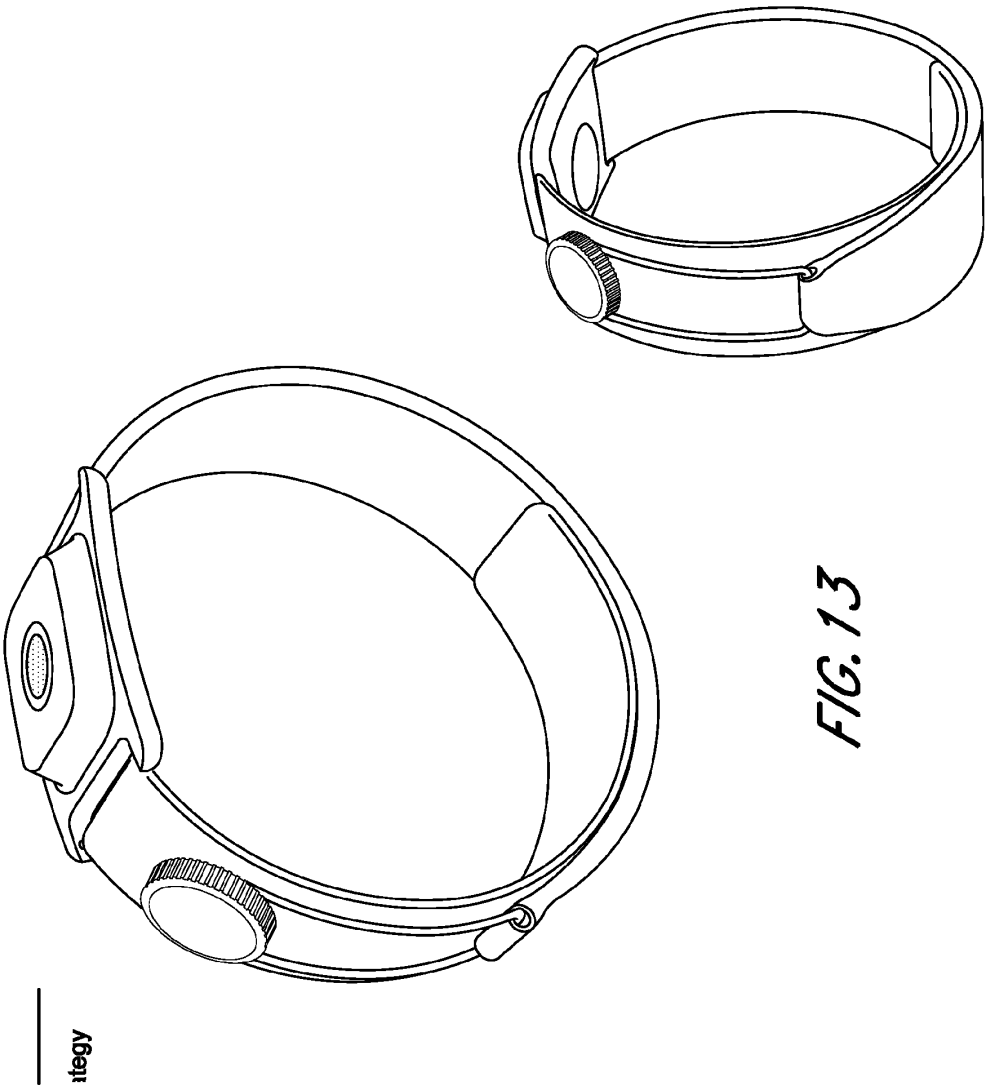


FIG. 12



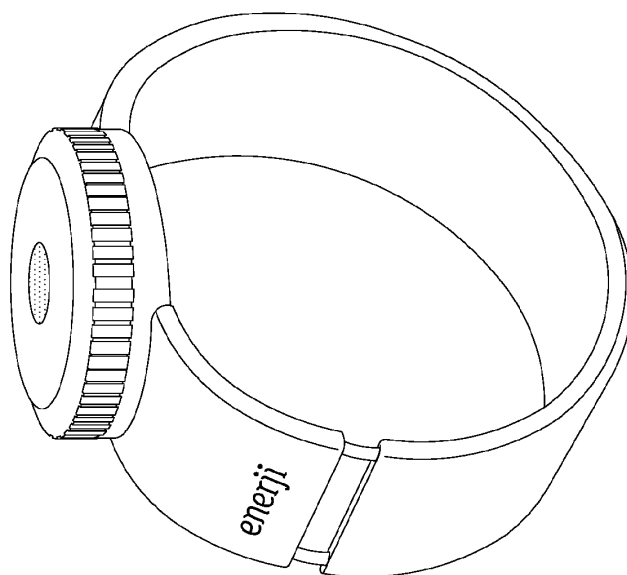


FIG. 14

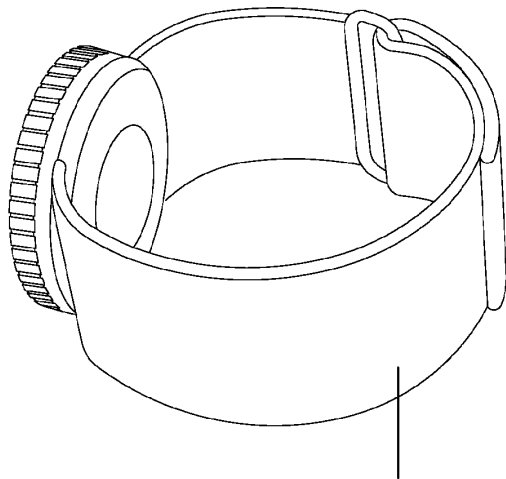
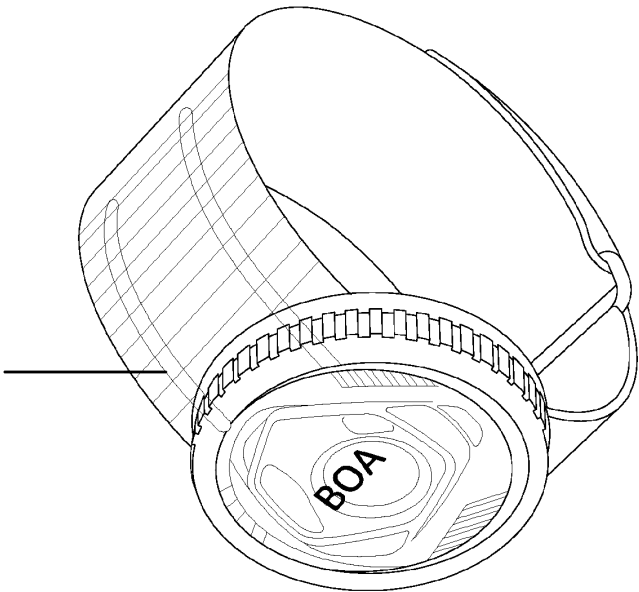


FIG. 15



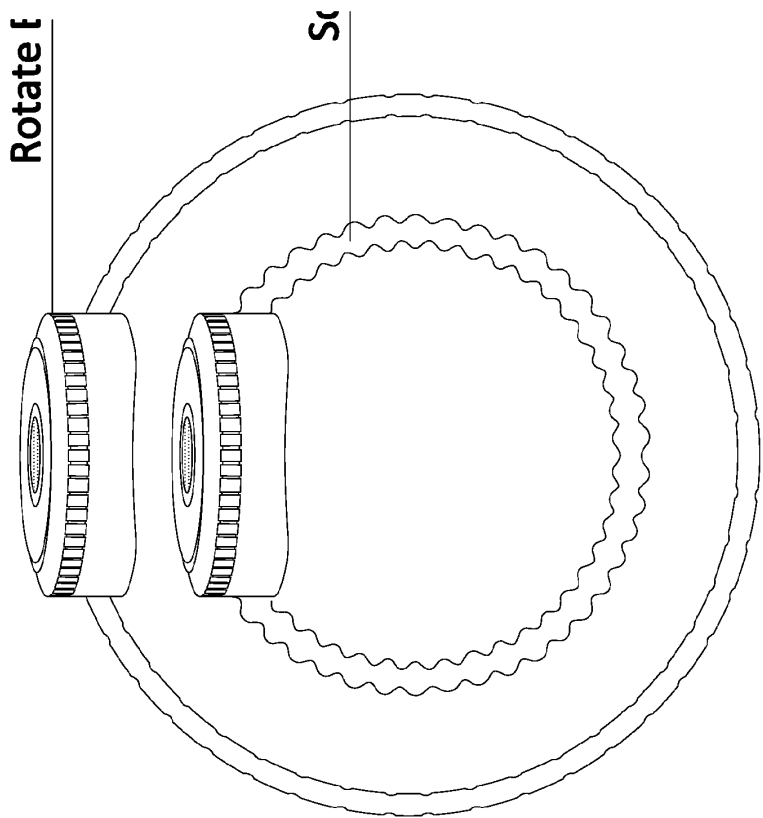


FIG. 16

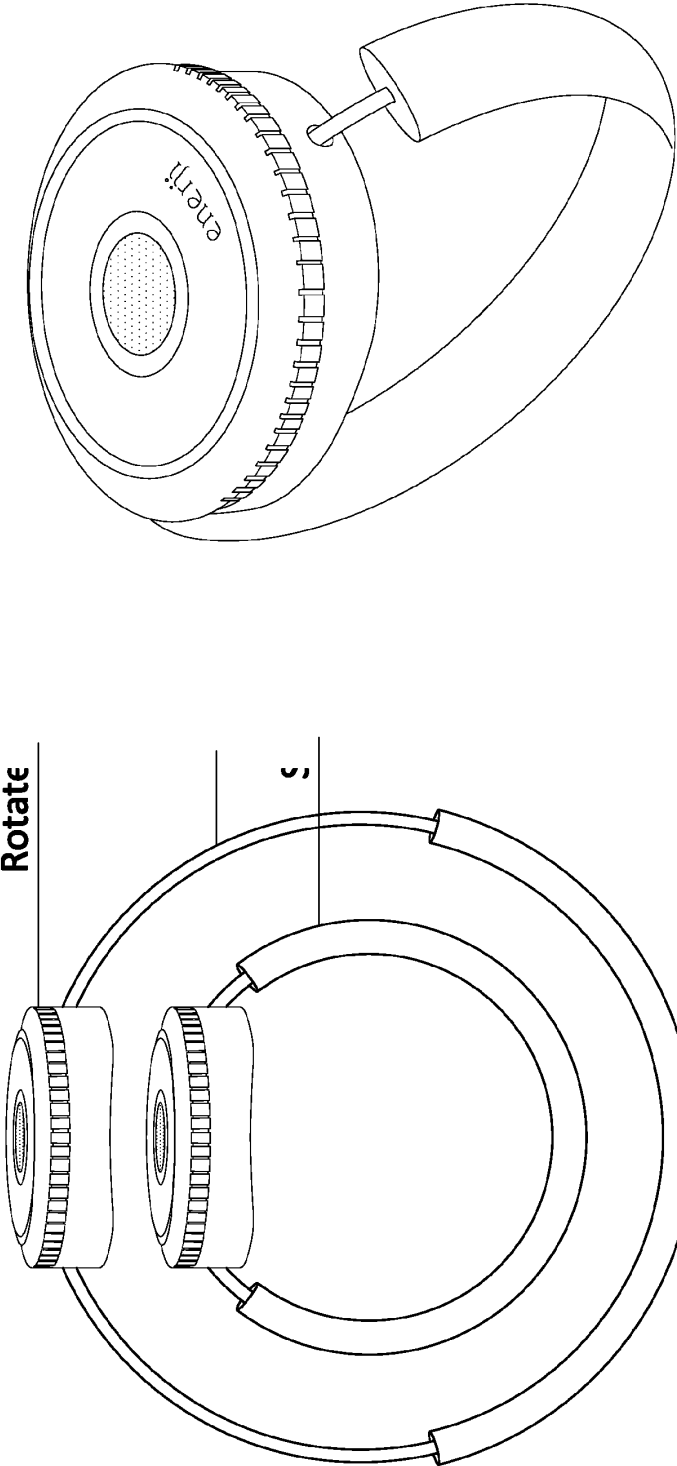
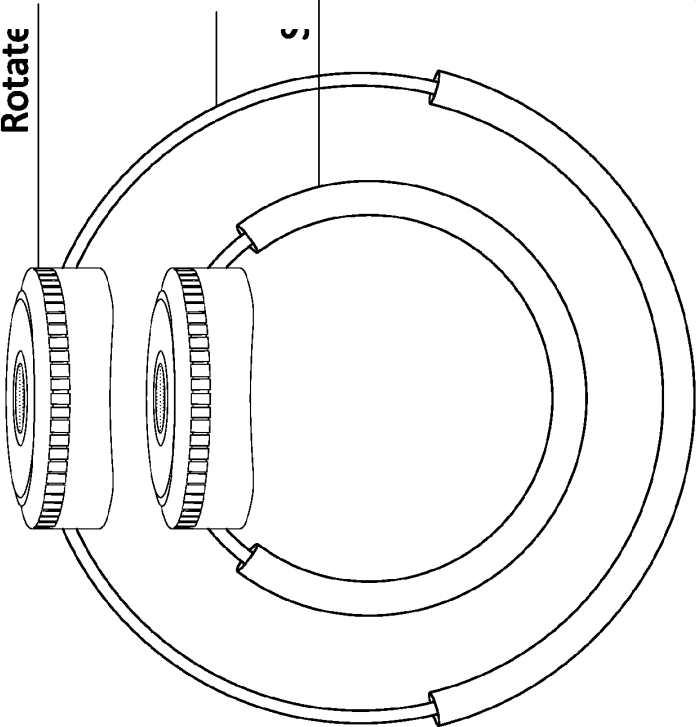


FIG. 17



Rotate

5

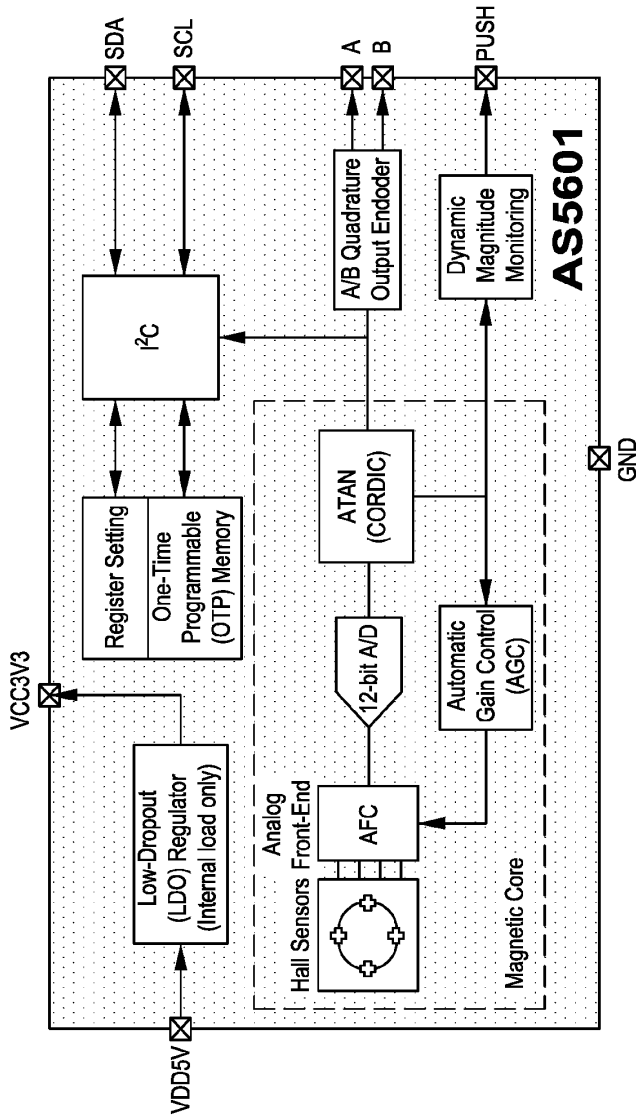
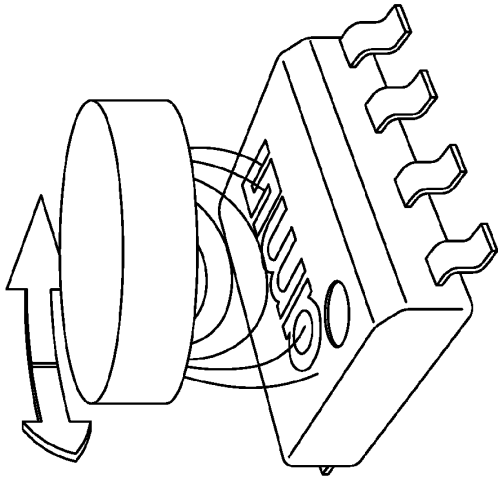


FIG. 18



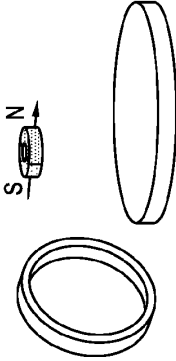
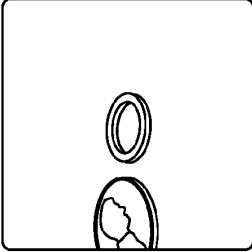
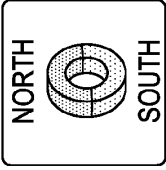
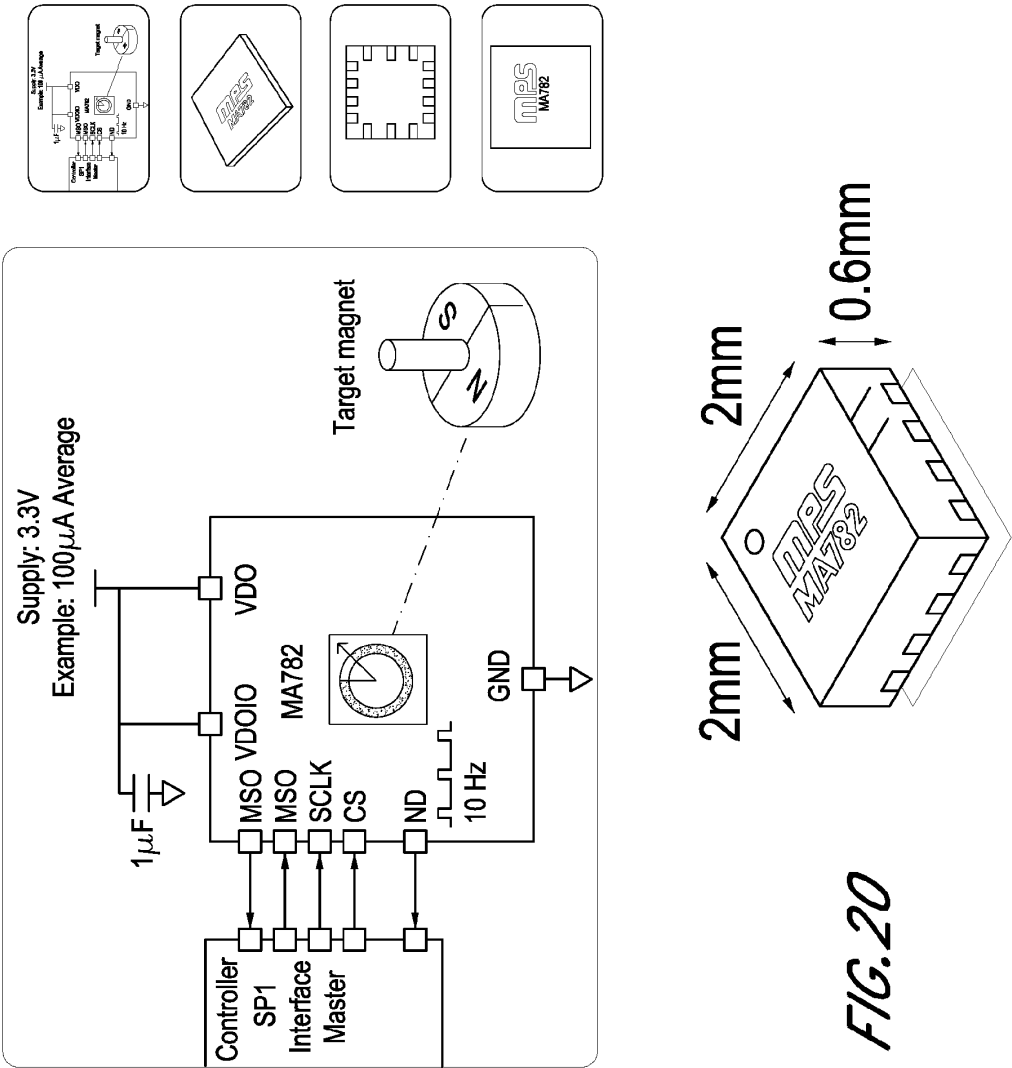
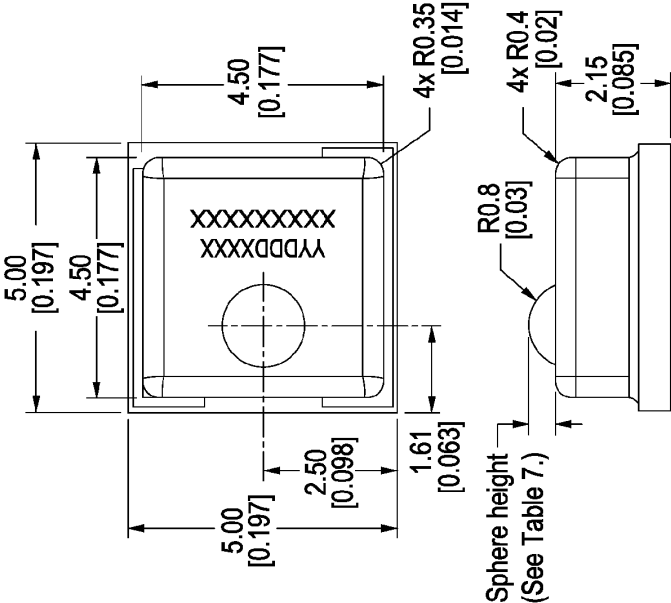
H20933			
Diameter:	0.5295"	0.448"	
Thickness:	0.0787"	(11.40mm)	
Hole Dia:	0.372"	OD x 0.394"	
Grade:	N40	(10mm) IDx	
Plating:	Ni-Cu-Ni	0.079"	
Power:	0.746 lbs	(2mm)	
		thick, N ₄₀	
		Neodymium Magnets...	
		R1013D	
		\$1.15	
		● In stock, 238 units	
		https://supermagnetman.com/collections/neo-rings	
		https://www.amazingmagnets.com/sf-i-ring-tube-magnets.aspx	
		Neodymium Ring / Tube Magnets	

FIG. 19



MICROFORCE SENSORS, FMA SERIES

FIGURE 3. SENSOR MOUNTING DIMENSIONS (FOR REFERENCE ONLY: MM/[IN.])



SUBSTITUTE SHEET (RULE 26)

TABLE 6. PINOUT		
PIN	FUNCTION	
1	I ² C	SP
2	VS	VS
3	NC	SS
4	GND	GND
5	SCL	SCLK
6	SDA	MISO
7	NC	NC

TABLE 7. SPHERE FORCE VS HEIGHT	
FORCE (N)	SPHERE HEIGHT (MM)
5	0.293 ±0.075
15	0.393 ±0.075
25	0.483 ±0.075

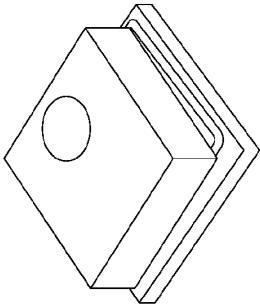


FIG. 21

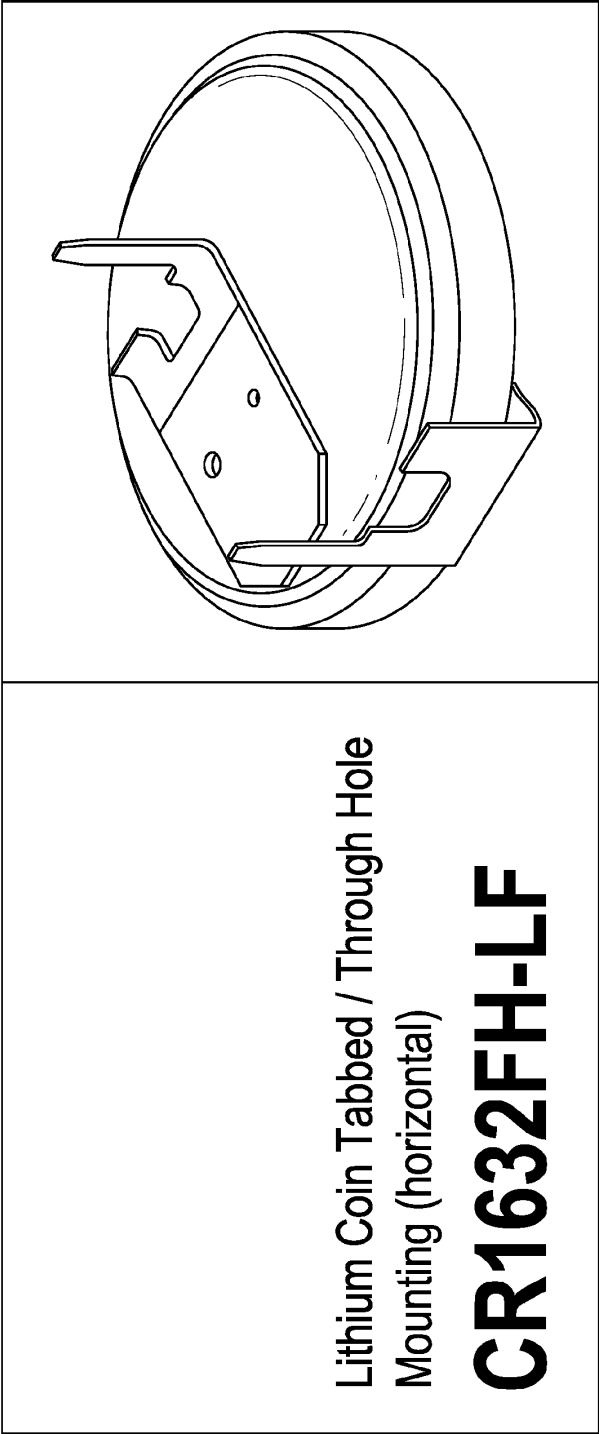


FIG. 22

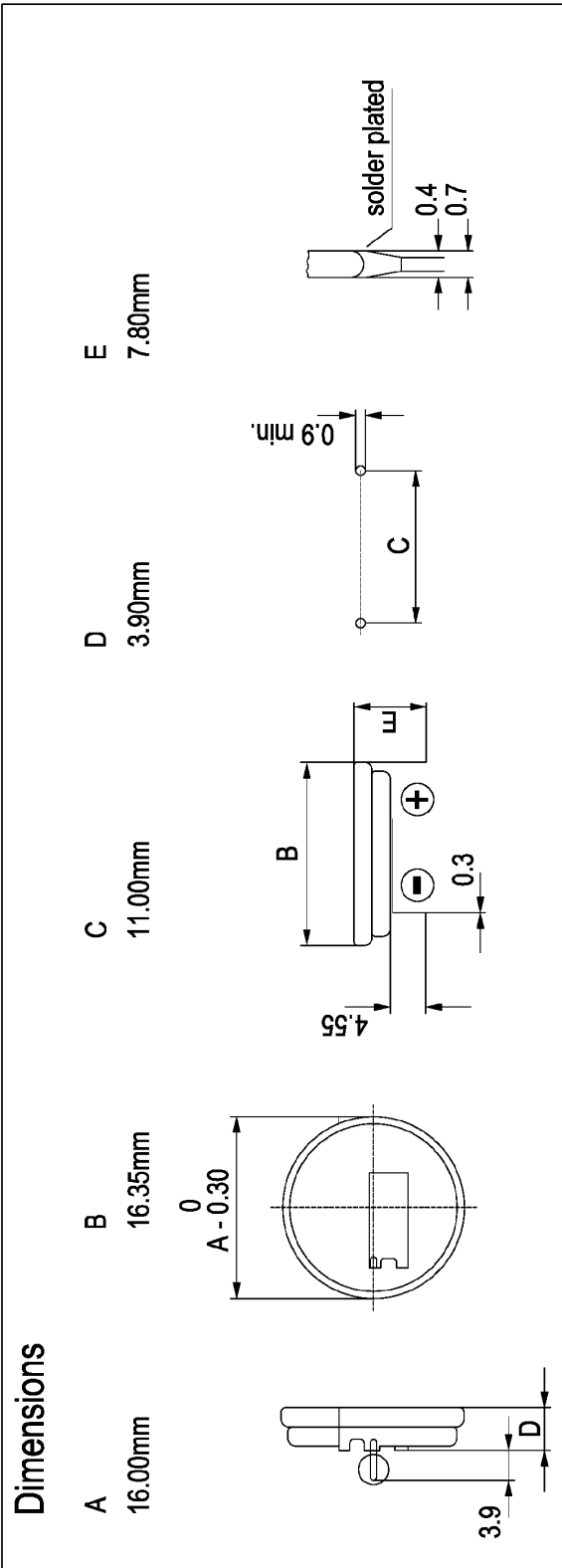


FIG.23

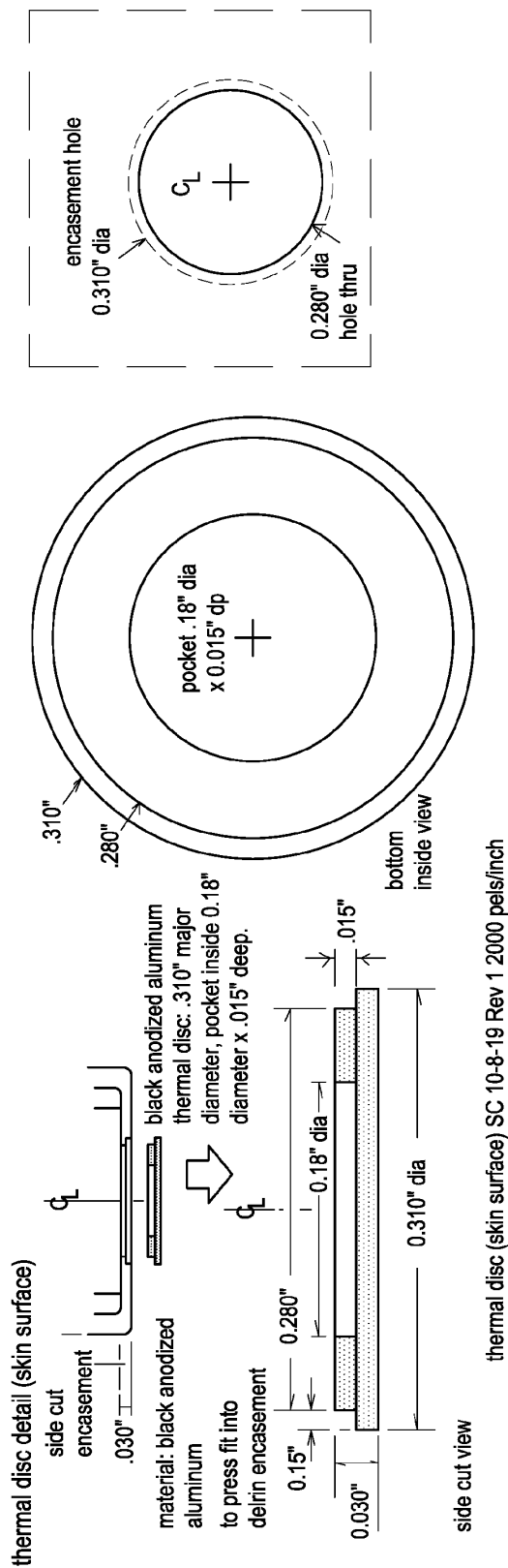


FIG. 24

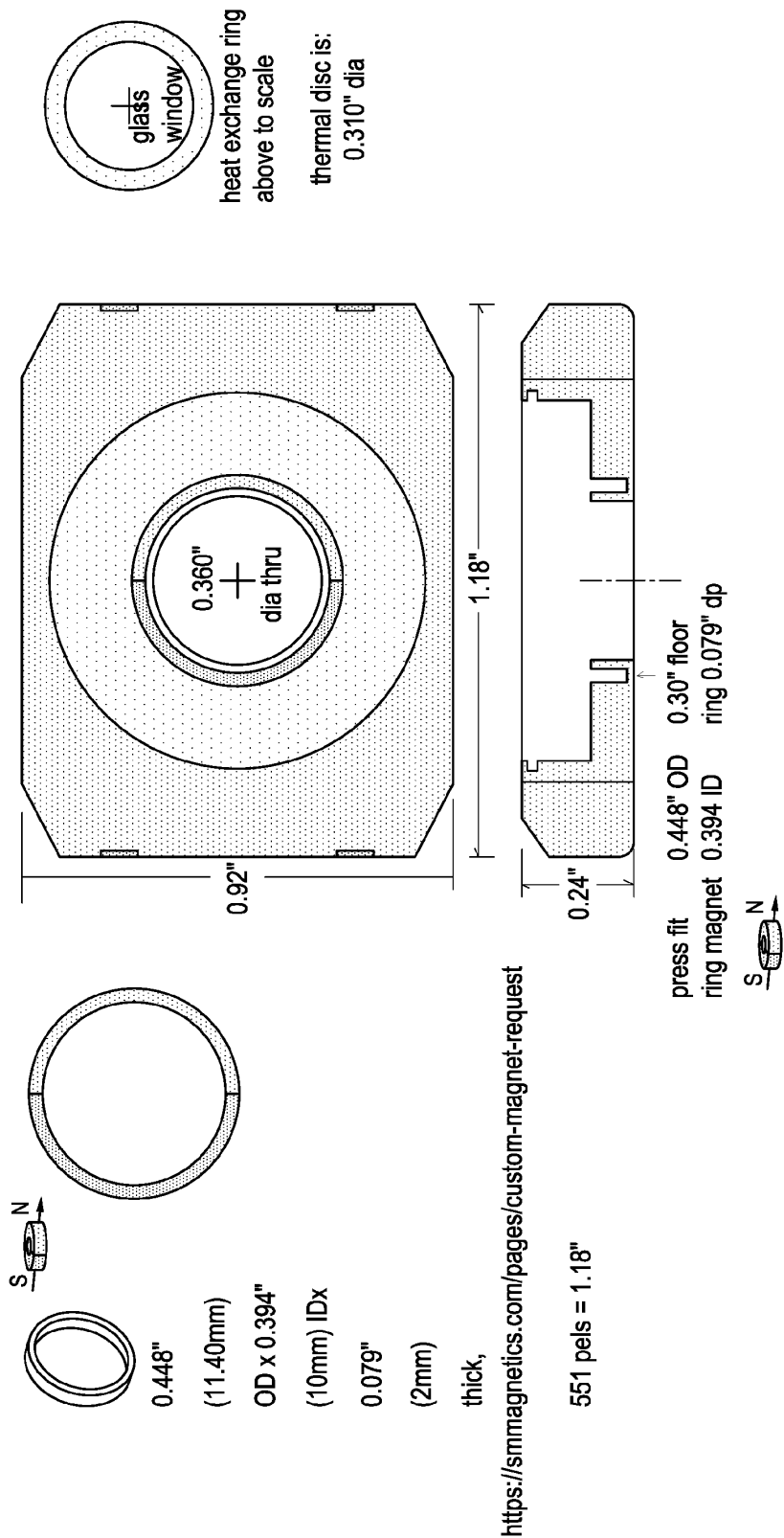


FIG.25