

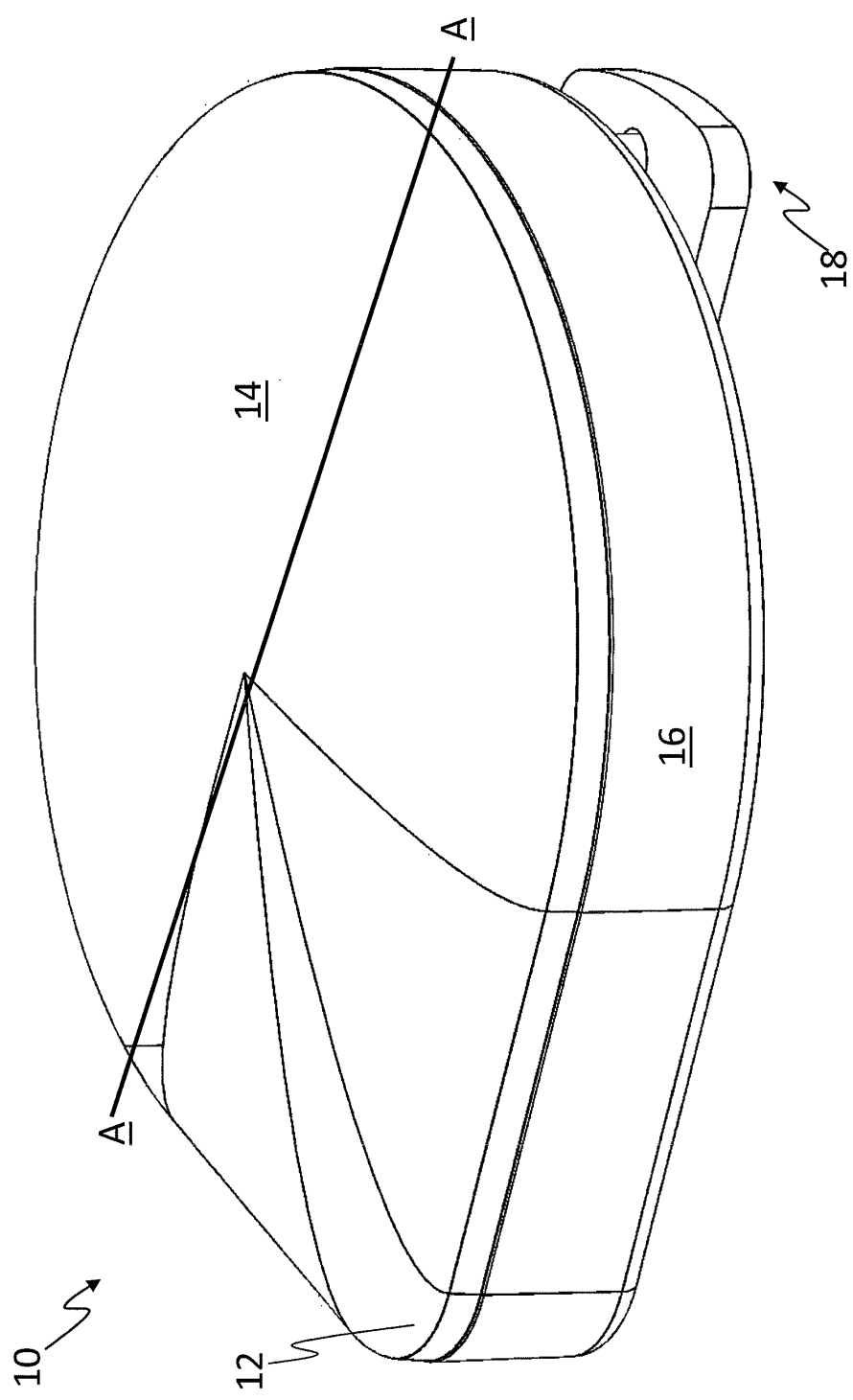


Fig. 1

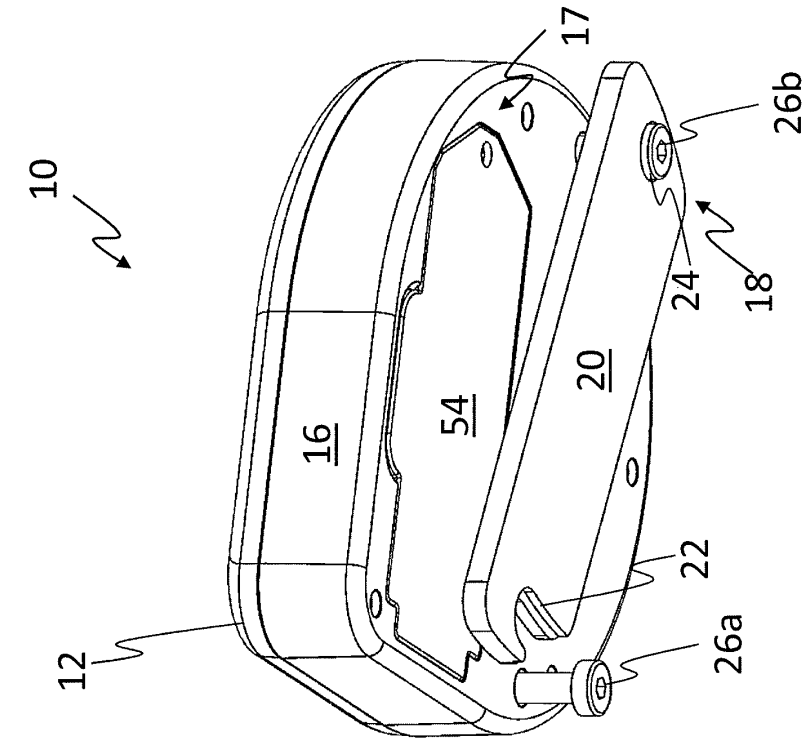


Fig. 2B

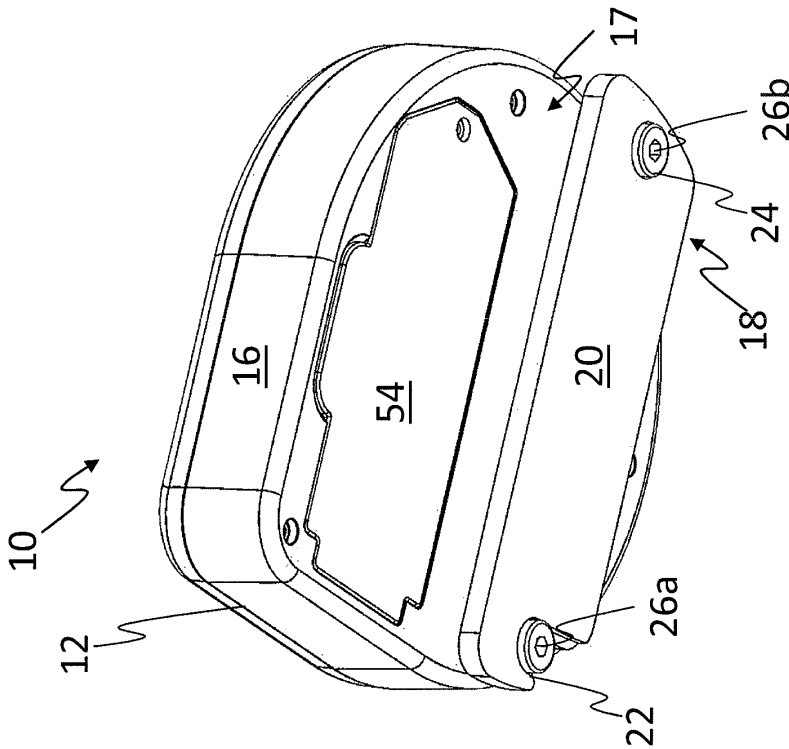


Fig. 2A

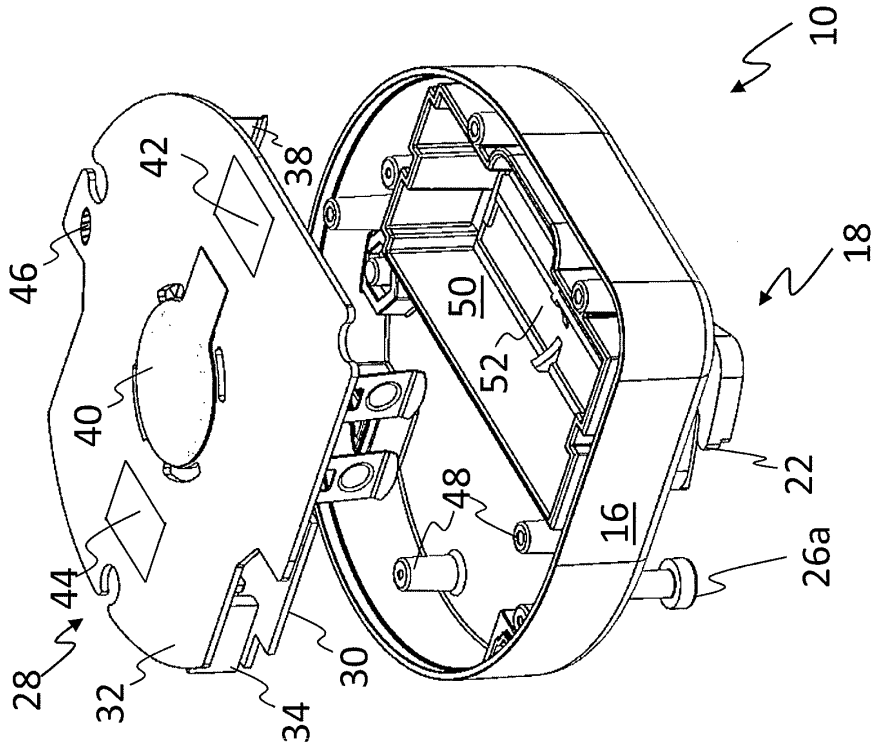


Fig. 3B

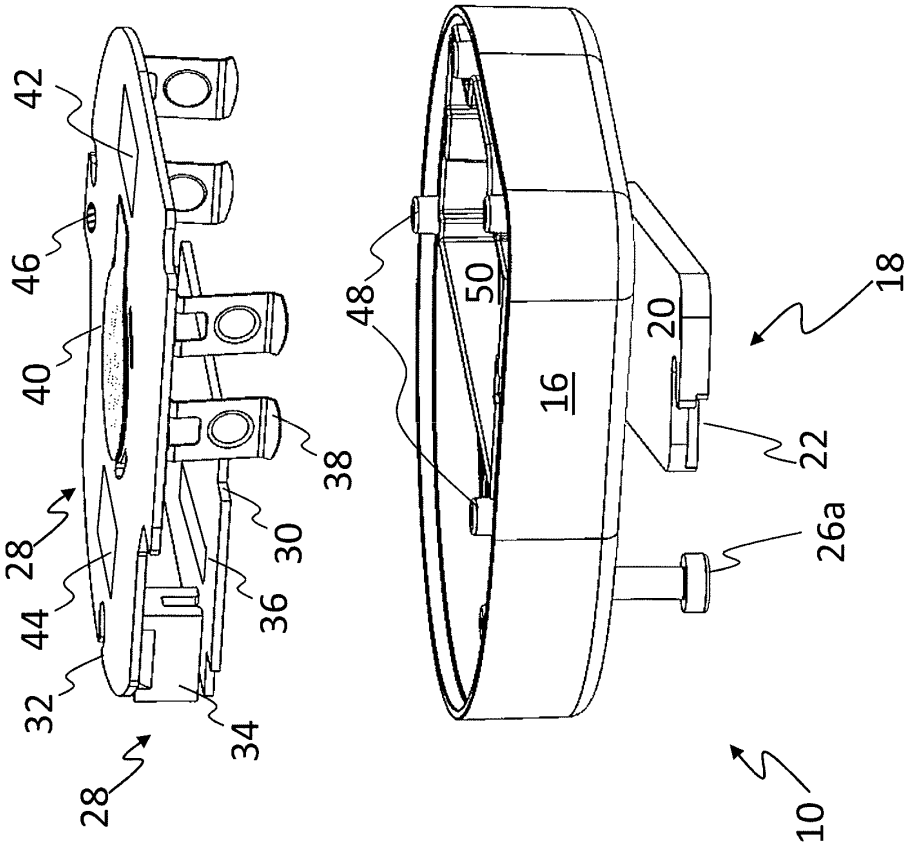


Fig. 3A

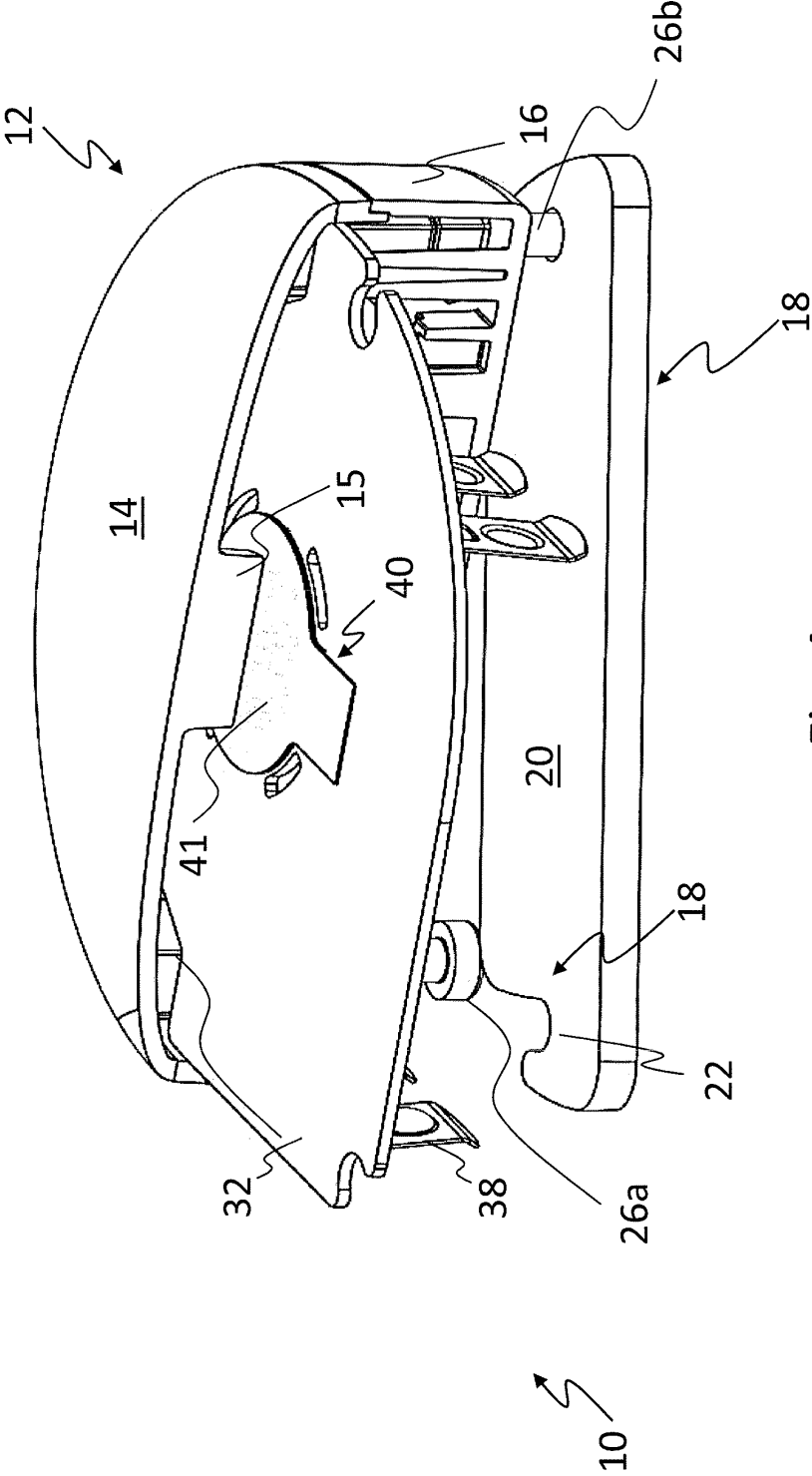


Fig. 4

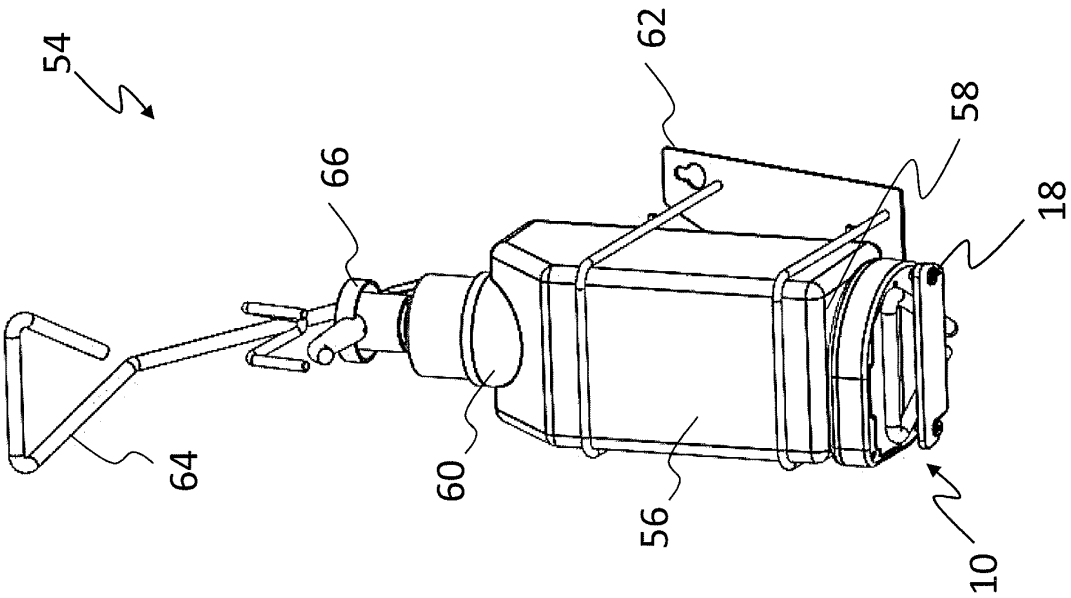


Fig. 5B

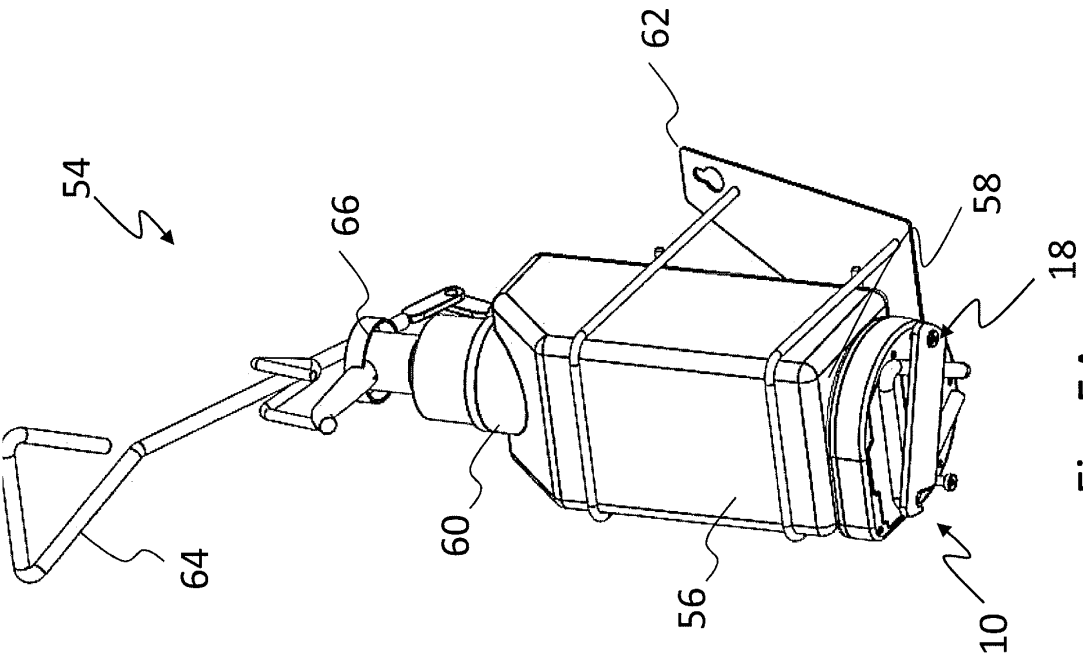


Fig. 5A

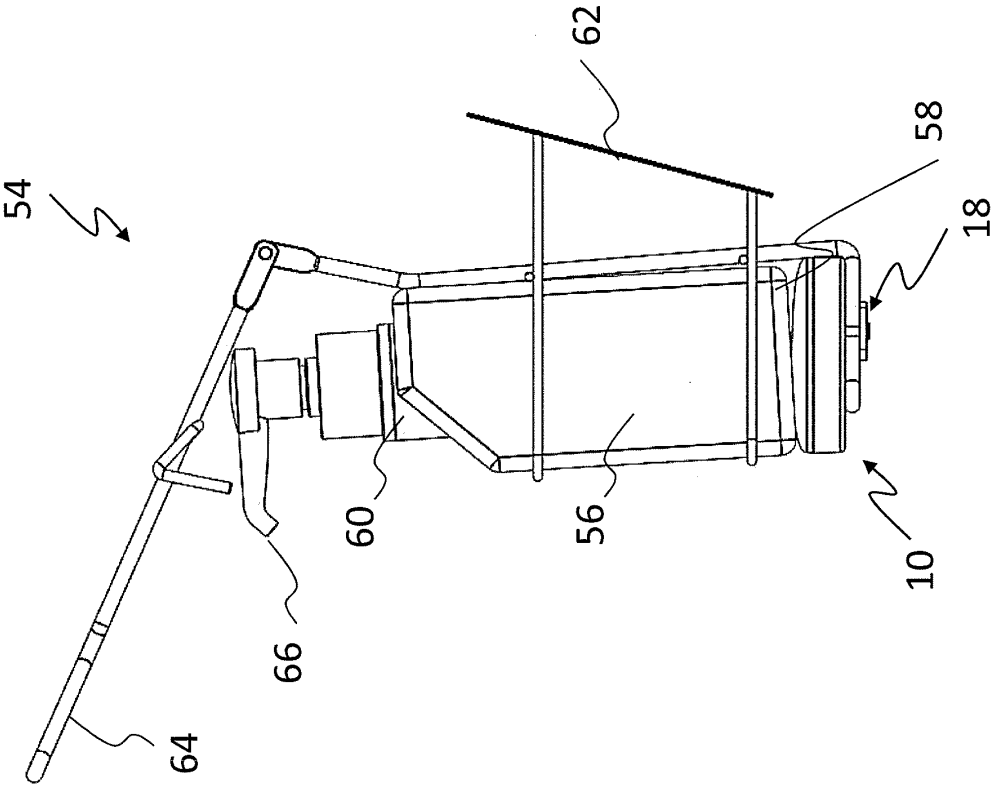


Fig. 5D

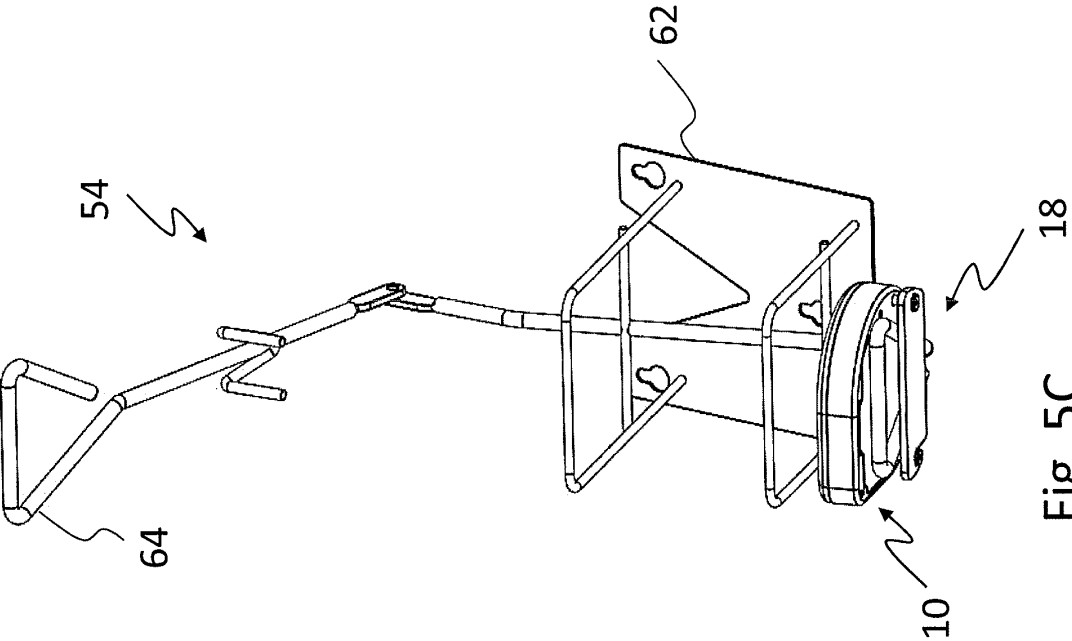


Fig. 5C

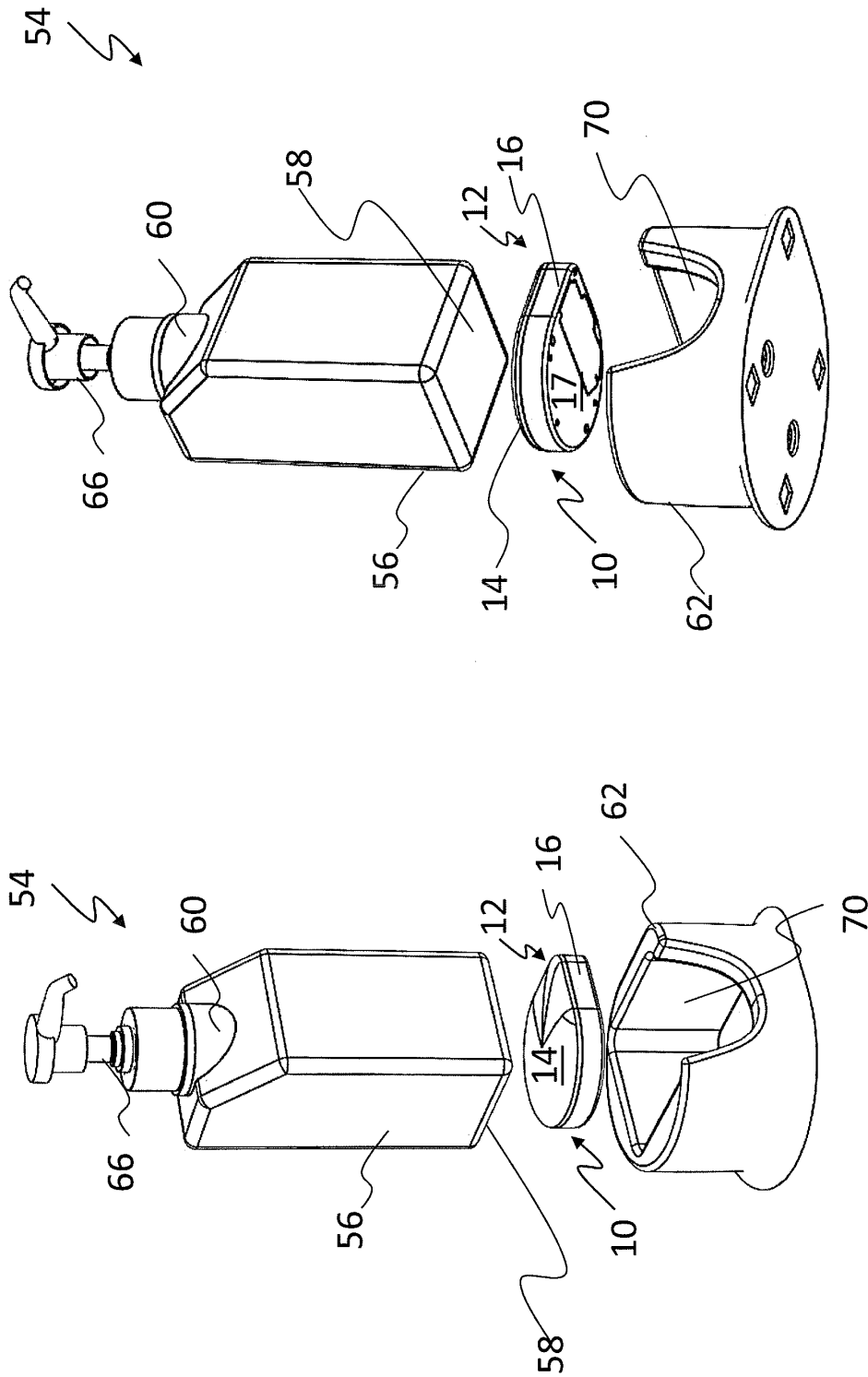


Fig. 6B

Fig. 6A

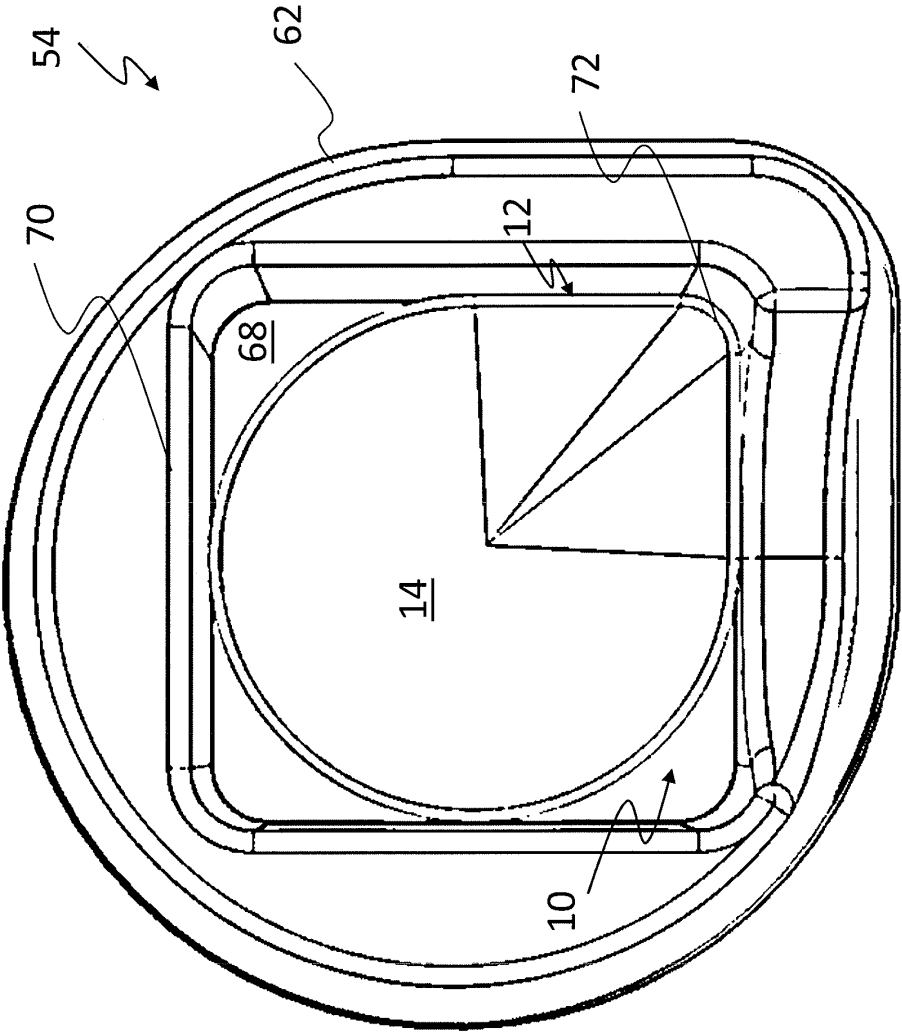


Fig. 6C

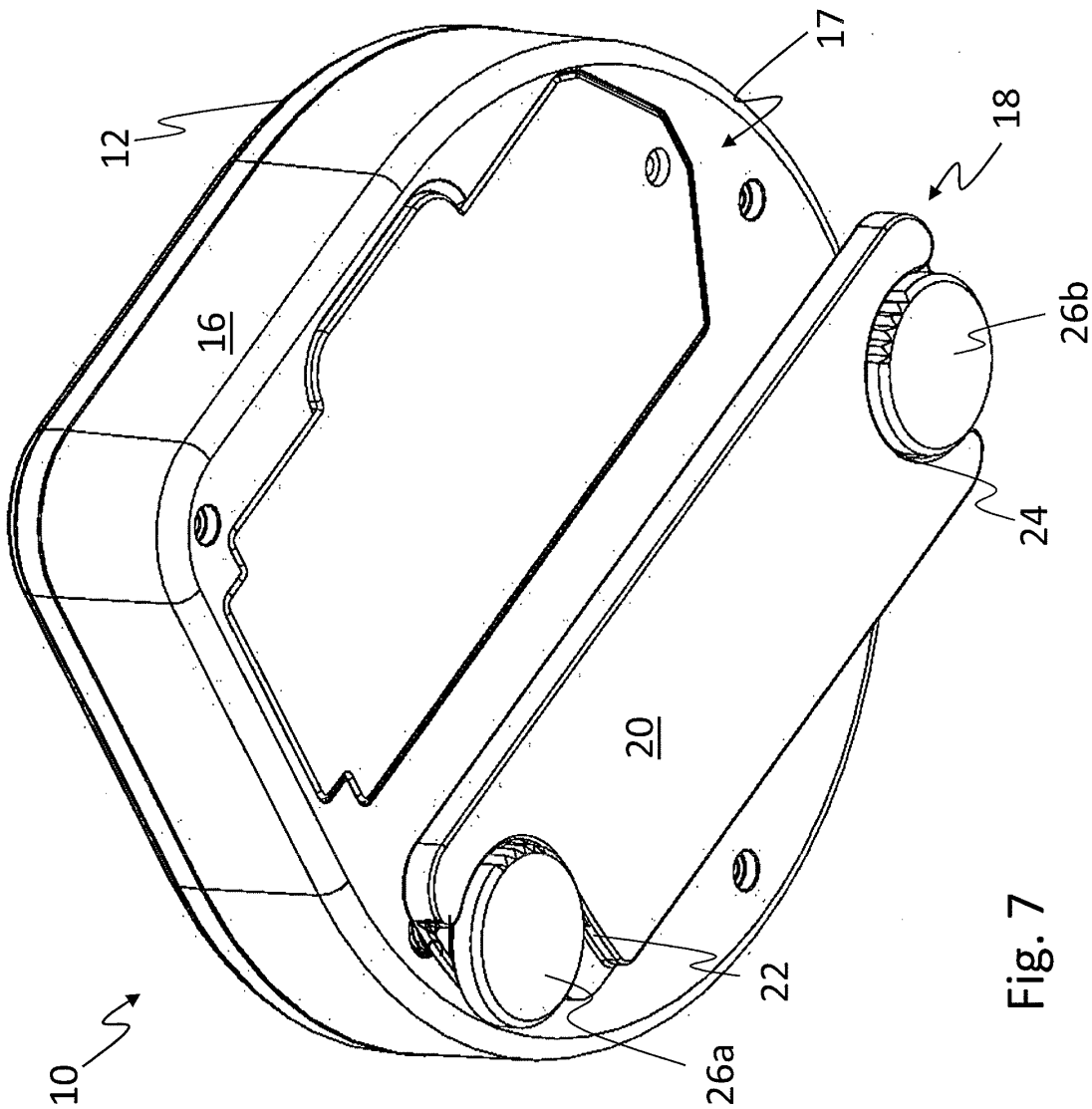


Fig. 7

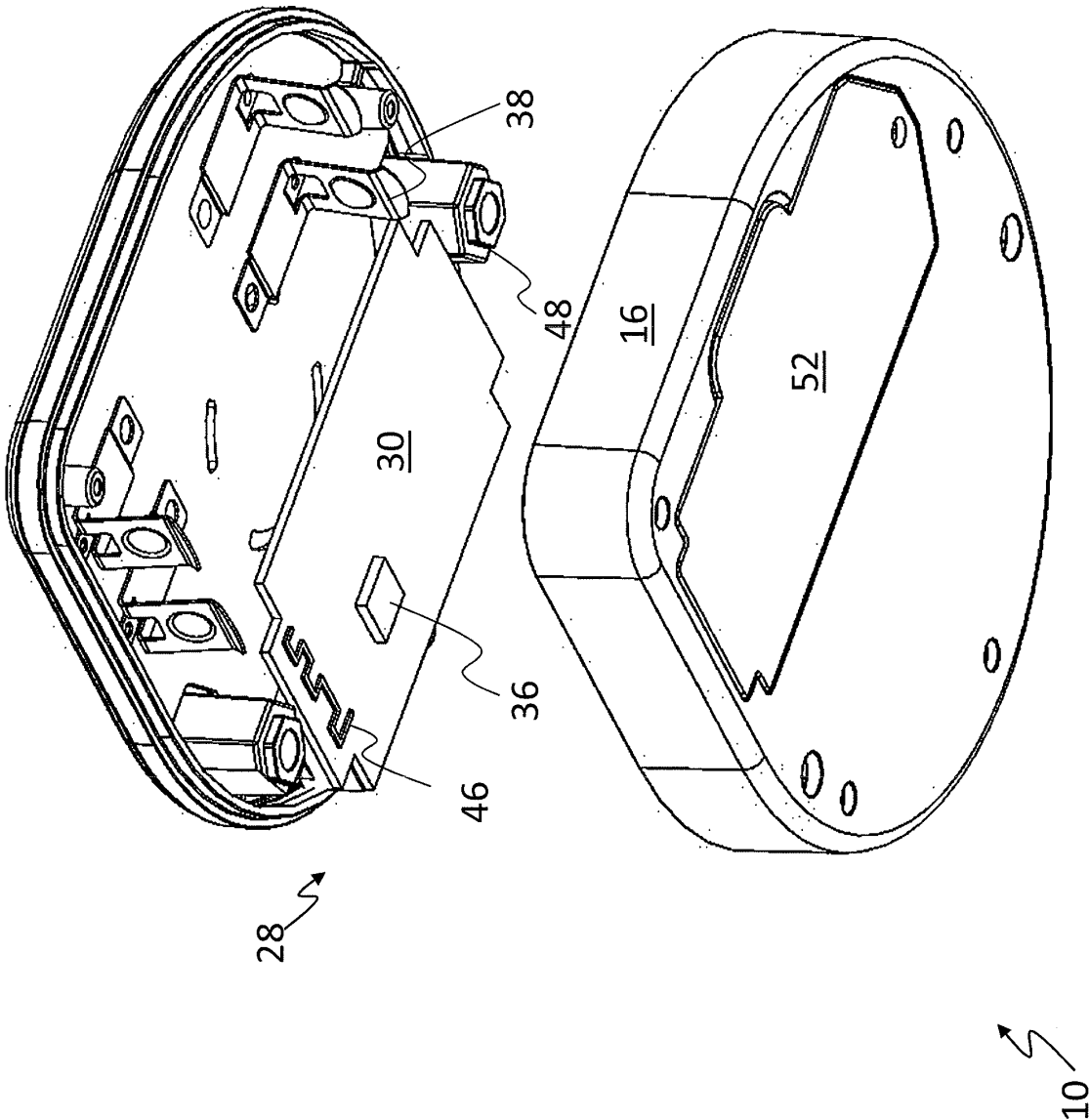


Fig. 8

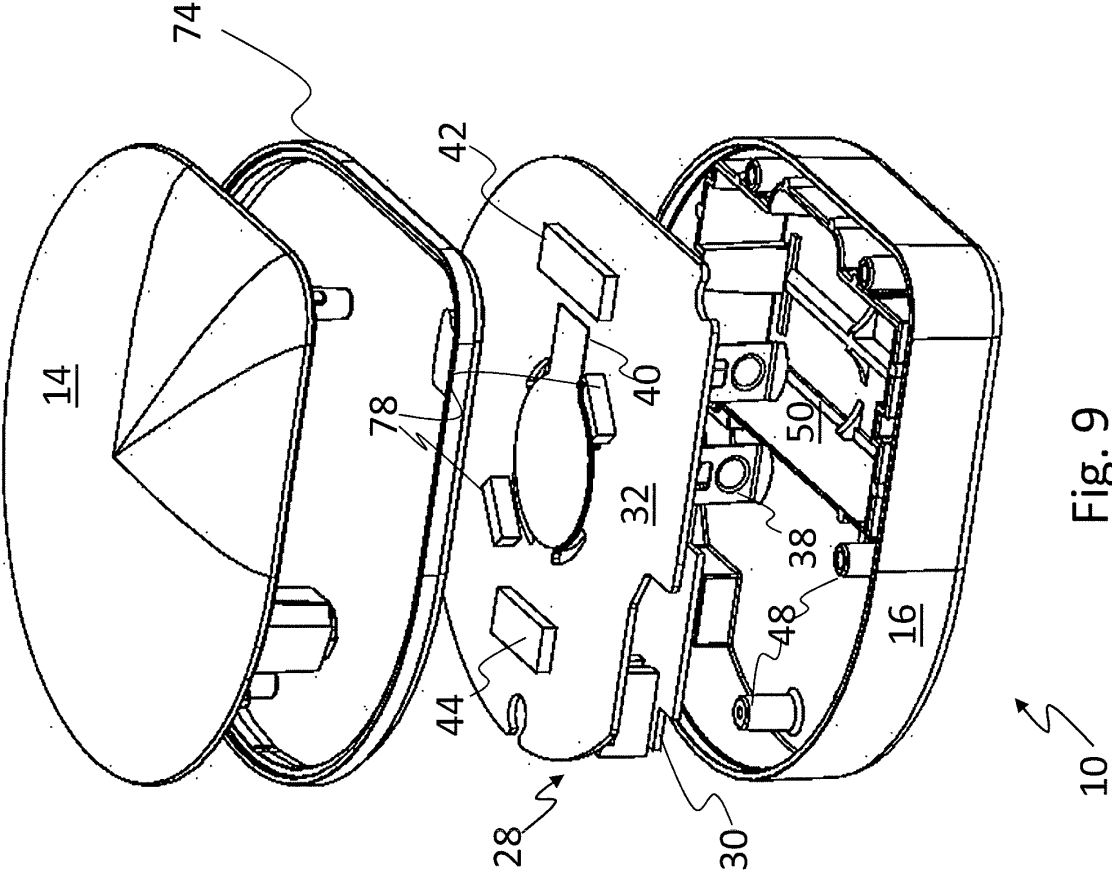


Fig. 9

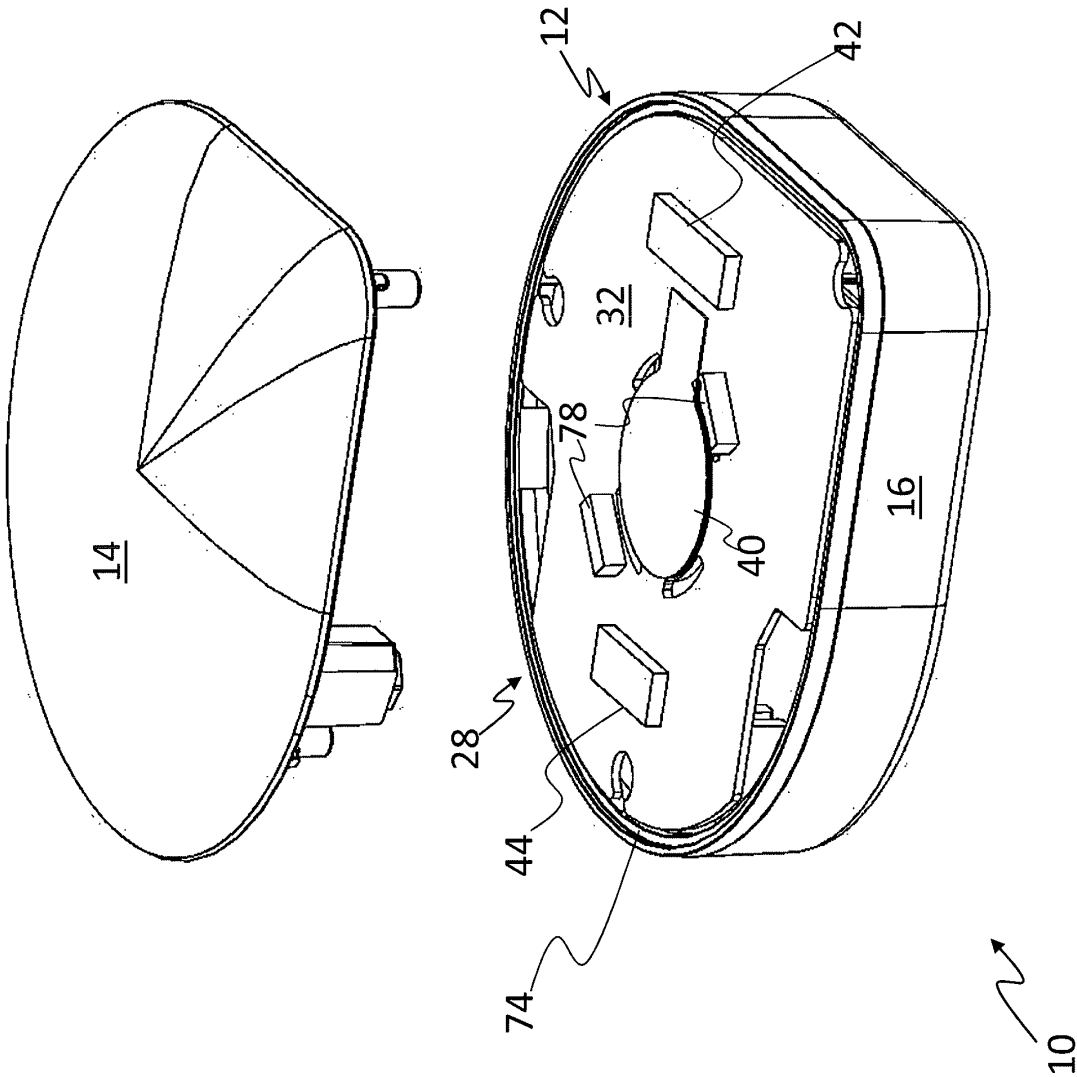


Fig. 10

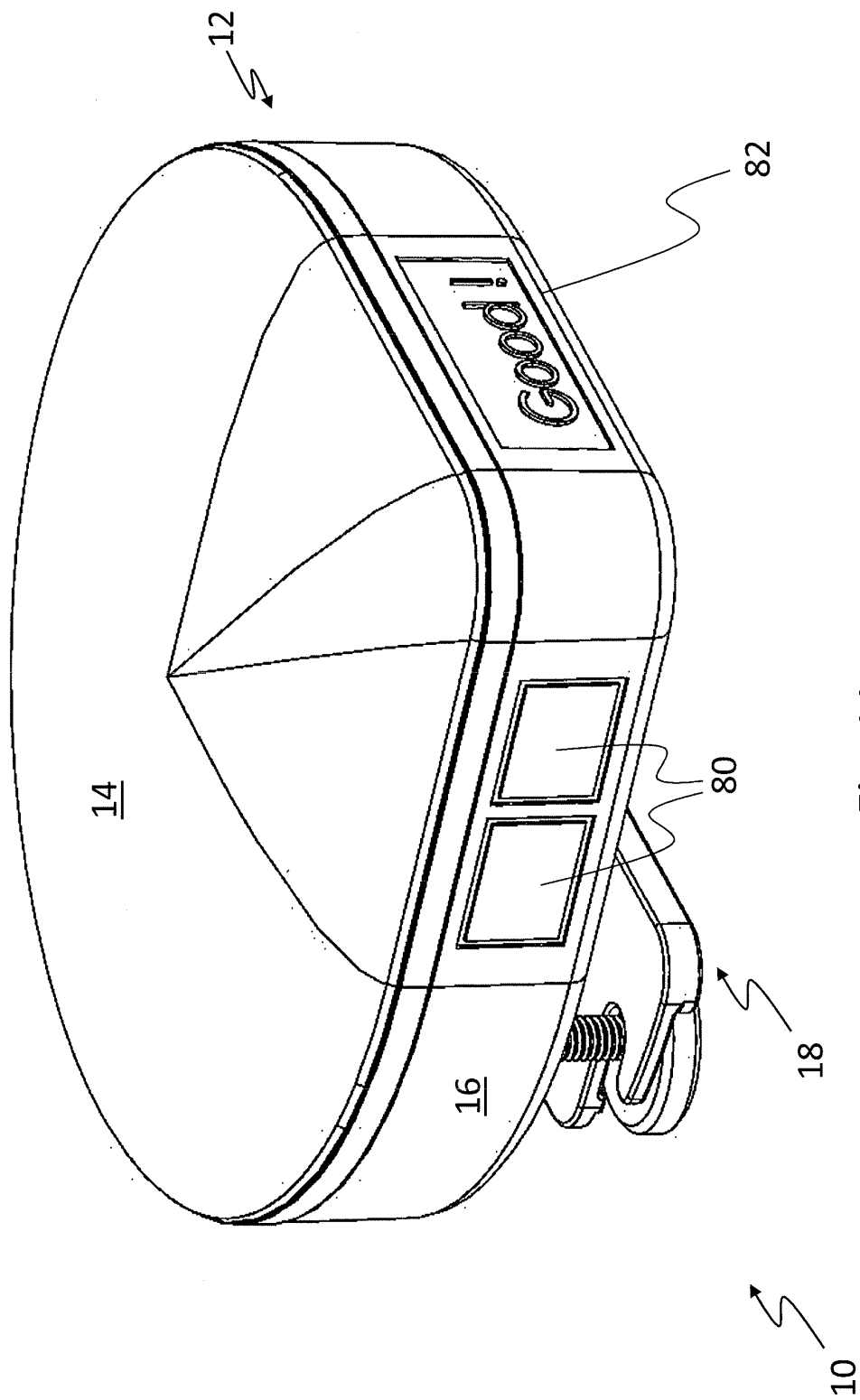


Fig. 11

84
↓

No.	Timestamp	Operation Event Type	Initial Voltage	Force Sensor Peak Voltage Change	Event Duration	Move ment	Orienta tion	Closest Frame of Reference	Optical Sensor	Battery Voltage
1	00.00.0000 13:44:43,500	Actuation	200mV	1400mV	200ms	1,01 G	UP	1A:BB:CC:DD:EE:FF	10mV	2800mV
2	04.05.2018 14:00:05,100	Actuation	150mV	1350mV	180ms	1,25G	UP	1A:BB:CC:DD:EE:FF	200mV	2790mV
3	05.05.2018 12:04:45,300	Bottle Removed	0mV	0mV	110ms	2G	UP	3A:BB:CC:DD:EE:FF	2760mV	2760mV
4	07.05.2018 11:40:45,200	Free Fall Detected	0mV	2700mV	100ms	0 G	DOWN	2A:BB:CC:DD:EE:FF	0mV	2750mV
5	07.05.2018 11:40:45,200	Bottle Inserted	300mV	600mV	120ms	2 G	UP	1A:BB:CC:DD:EE:FF	10mV	2750mV

Fig. 12