

FIGURES

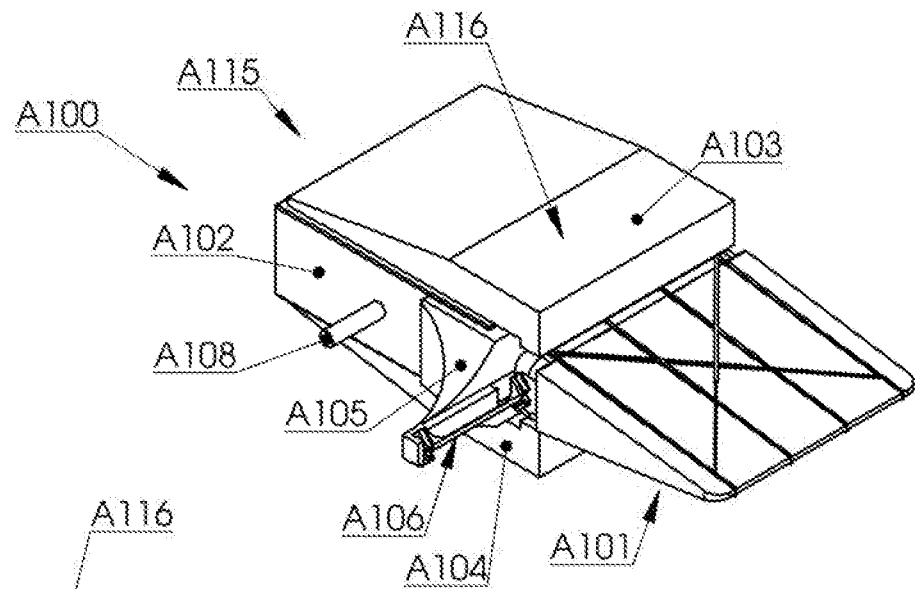


FIG. A1a

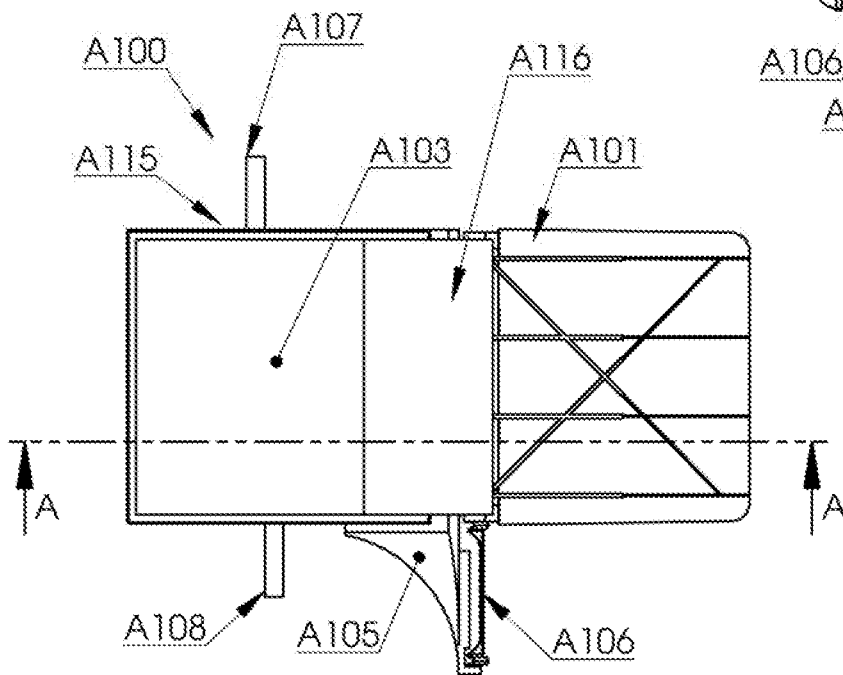


FIG. A1b

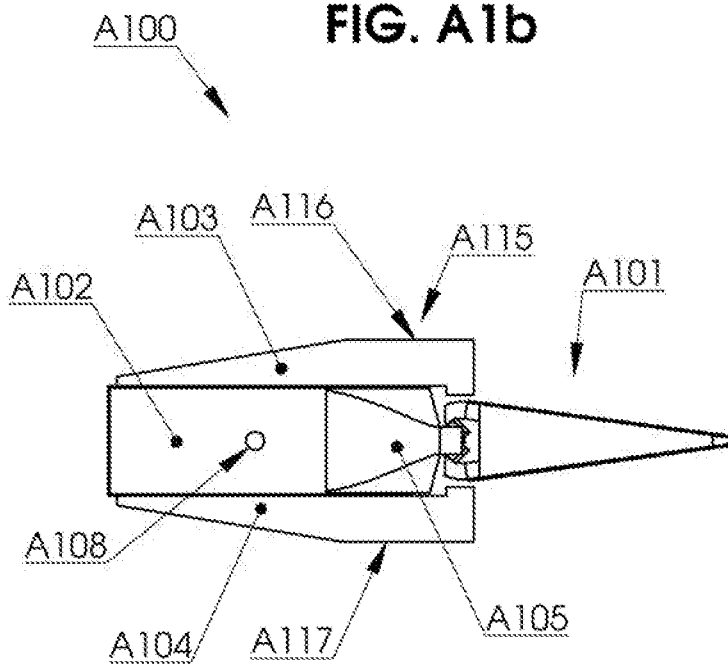


FIG. A1c

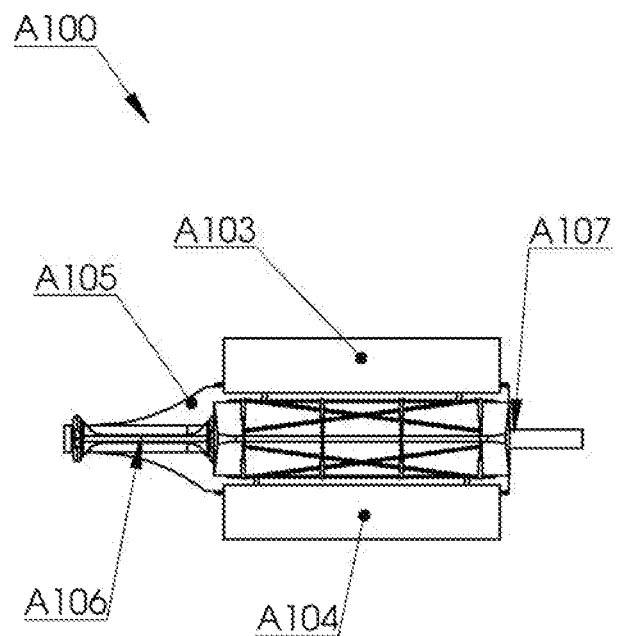


FIG. A1d

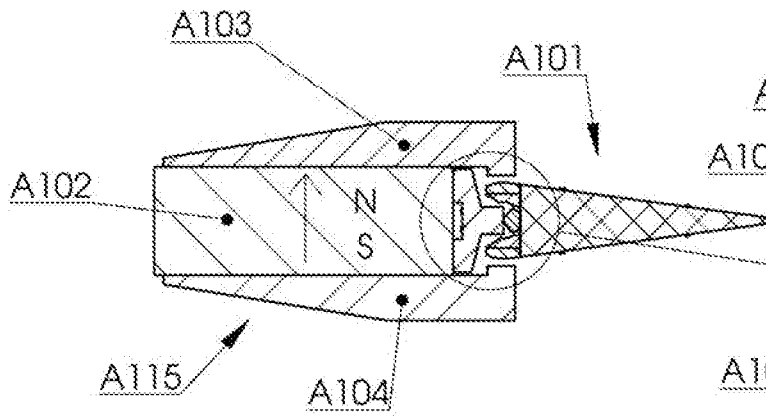


FIG. A1e

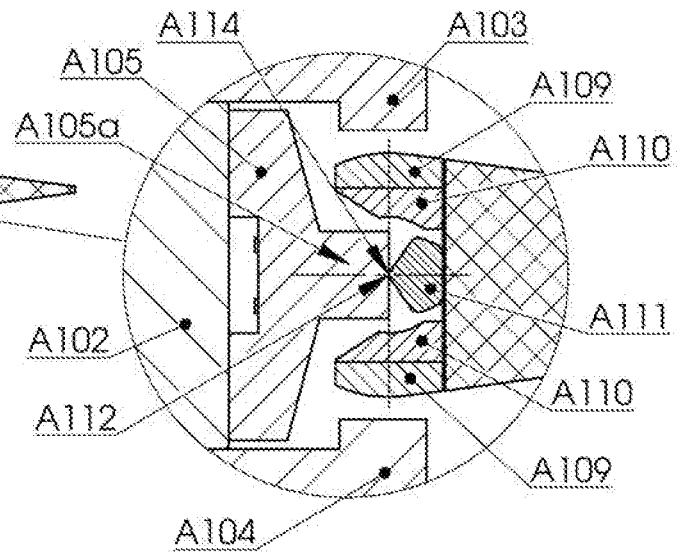


FIG. A1f

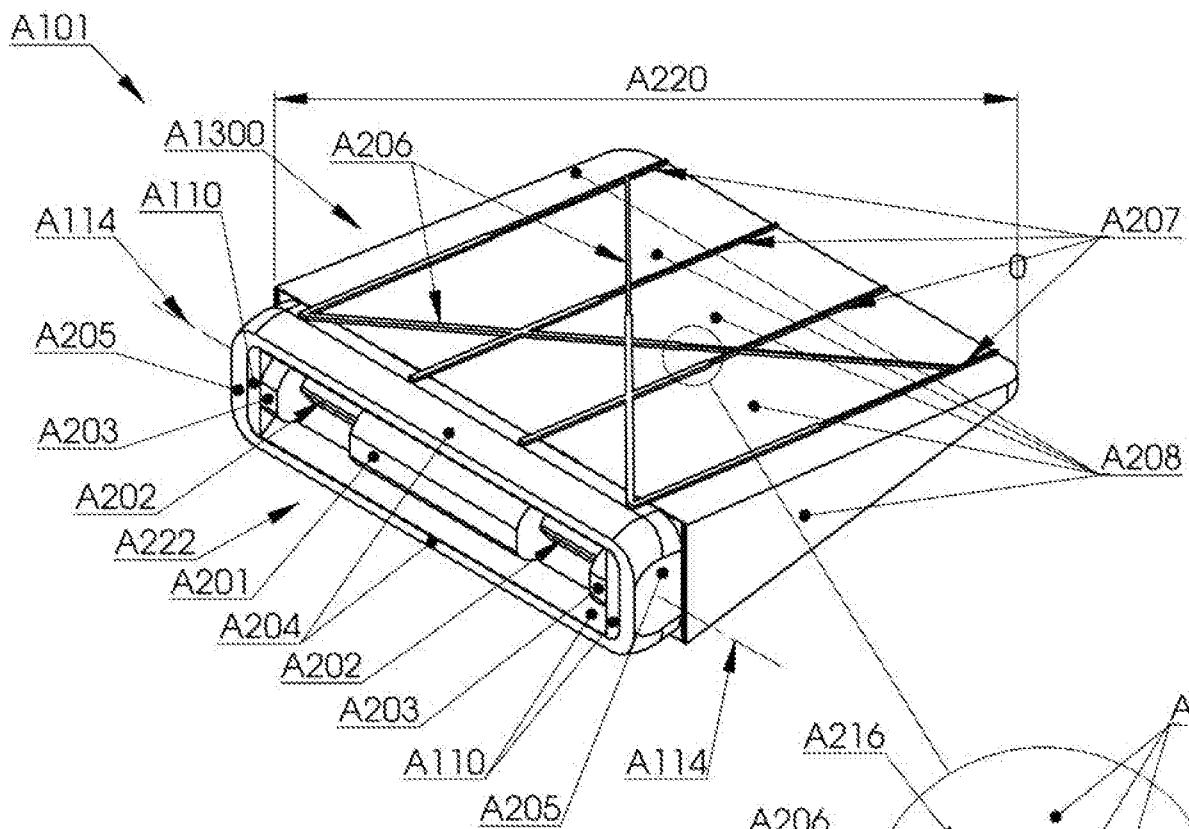


FIG. A2a

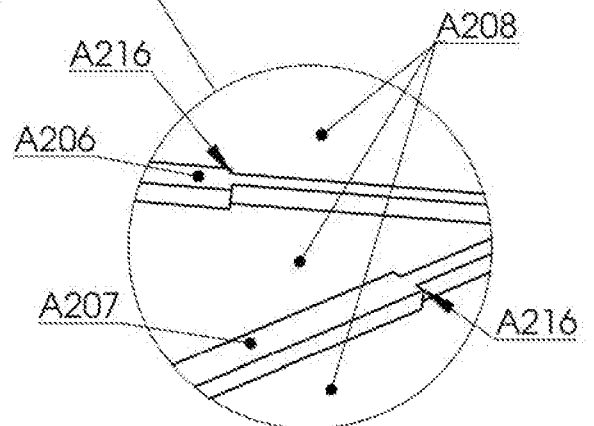
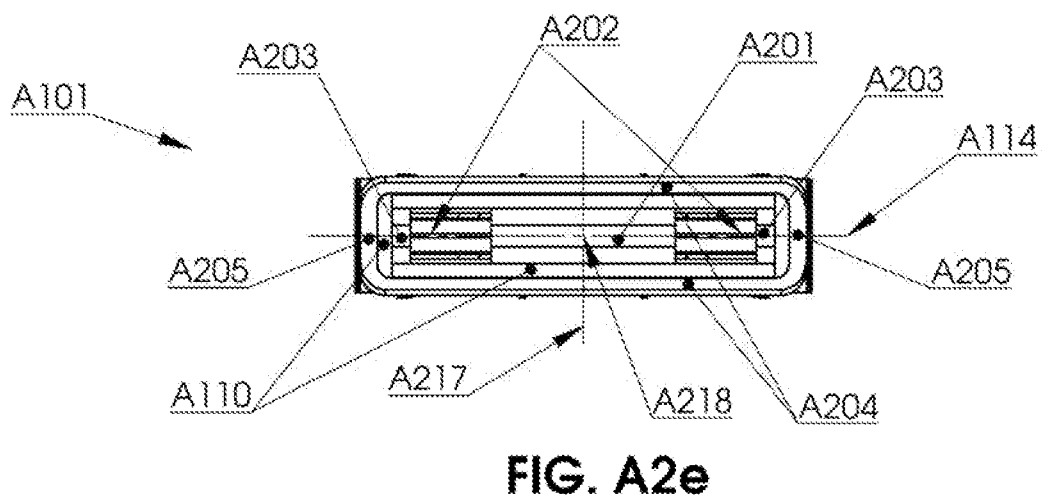
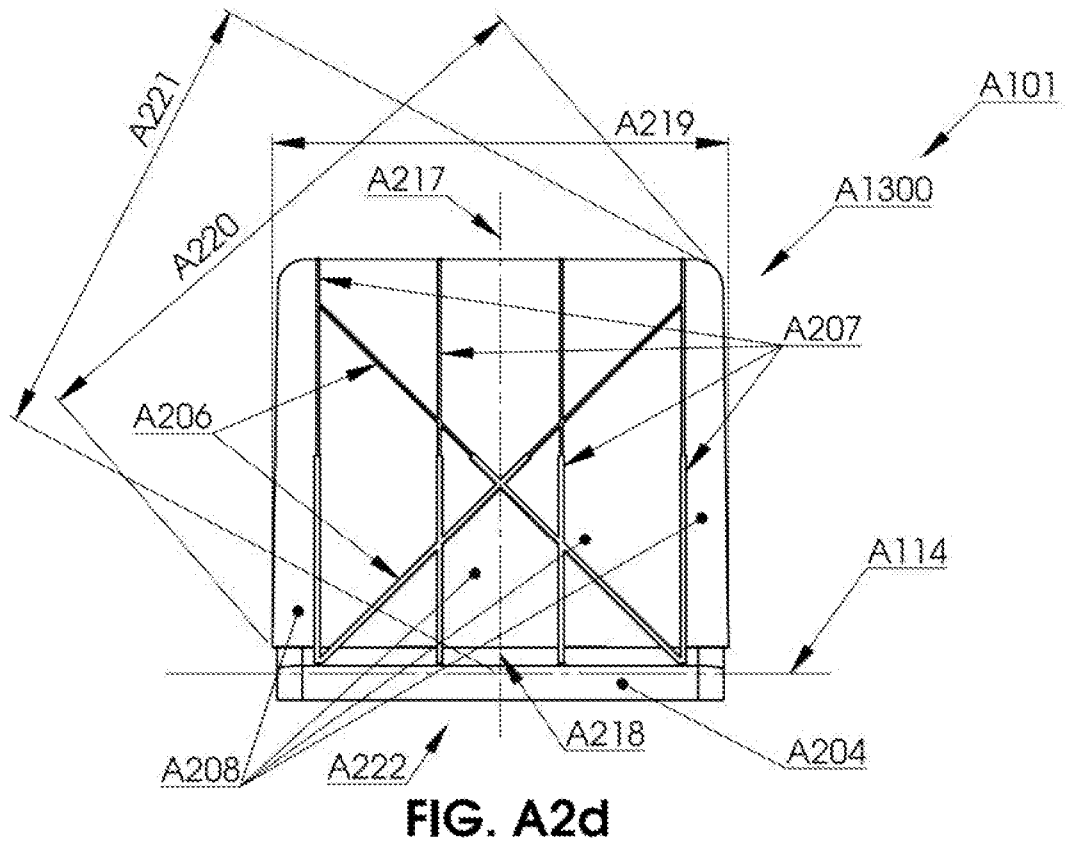
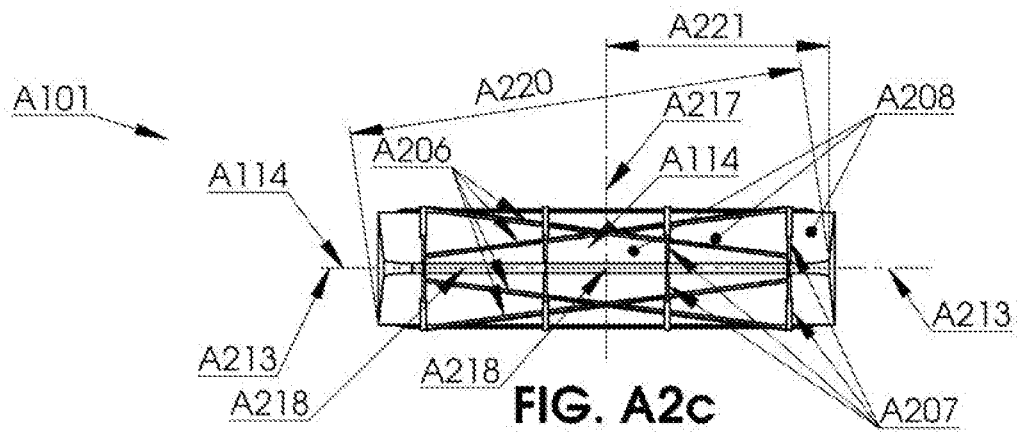


FIG. A2b



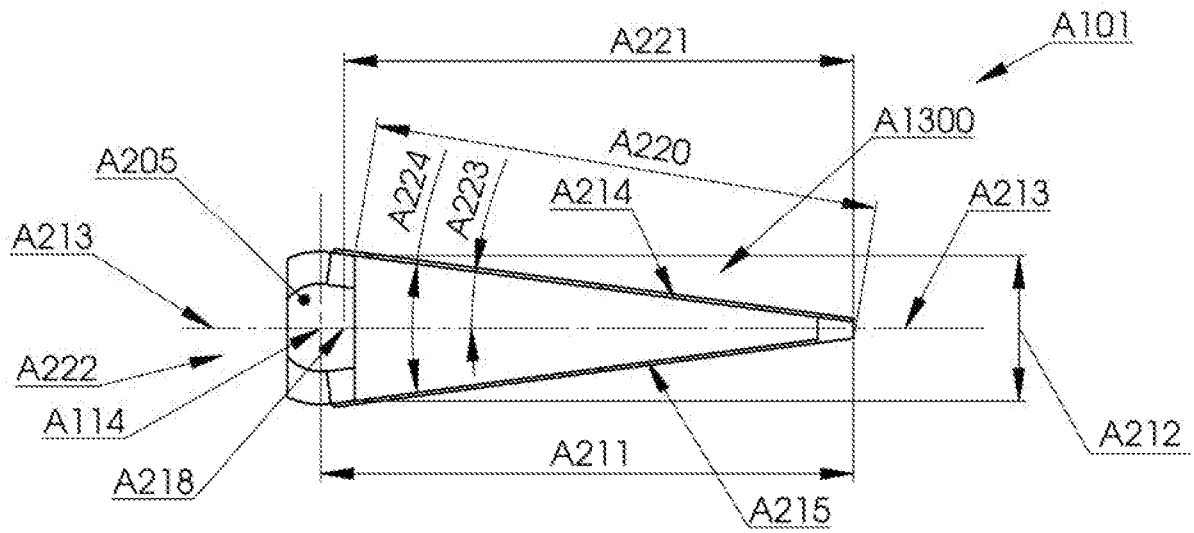


FIG. A2f

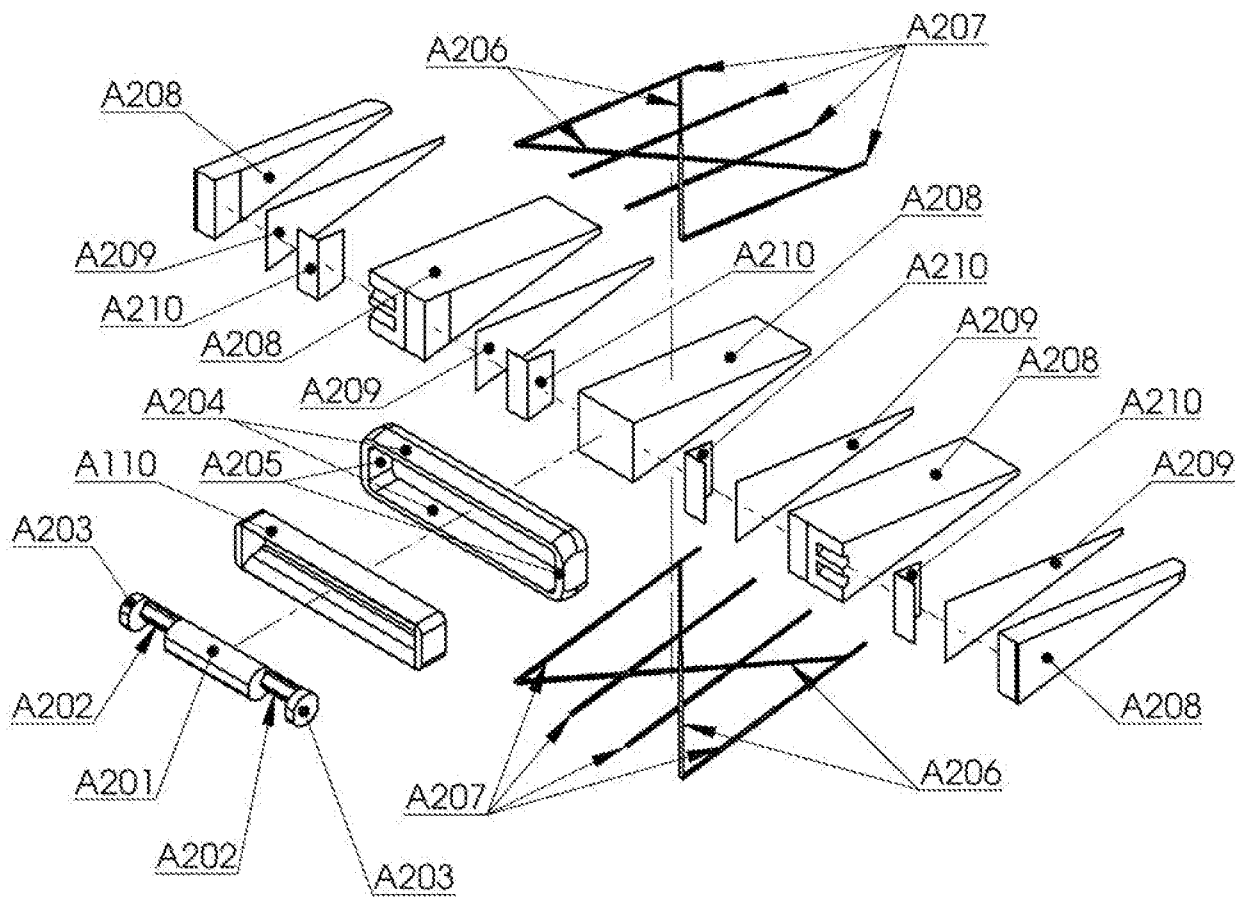
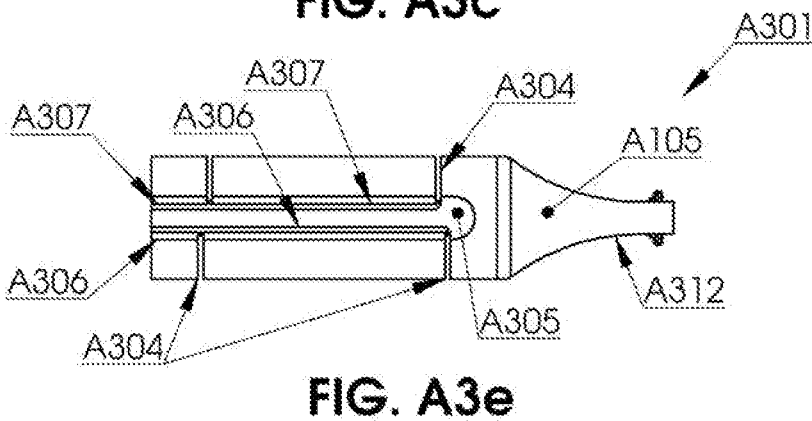
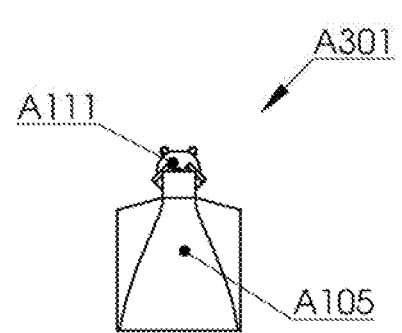
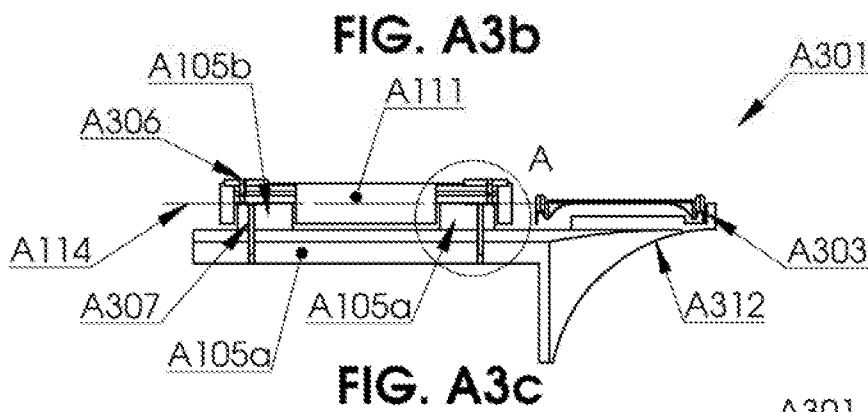
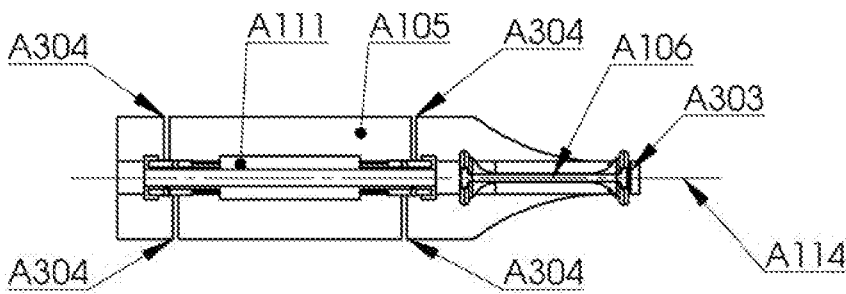
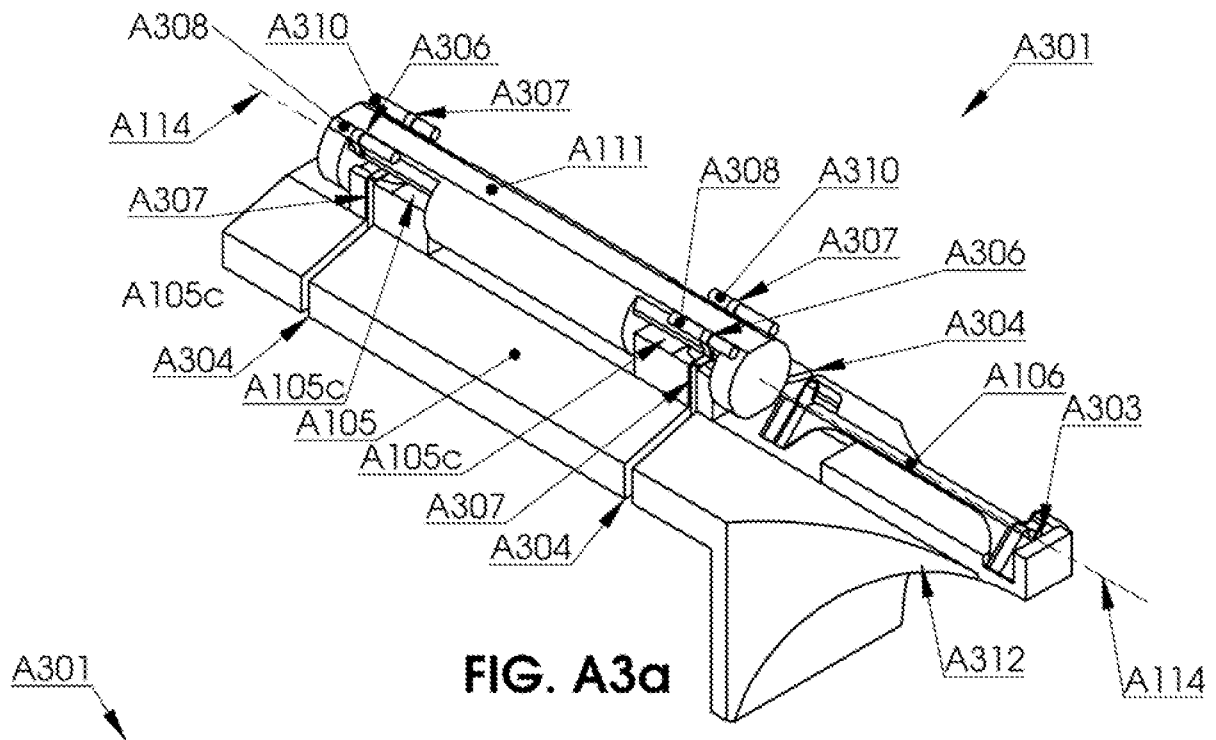


FIG. A2g



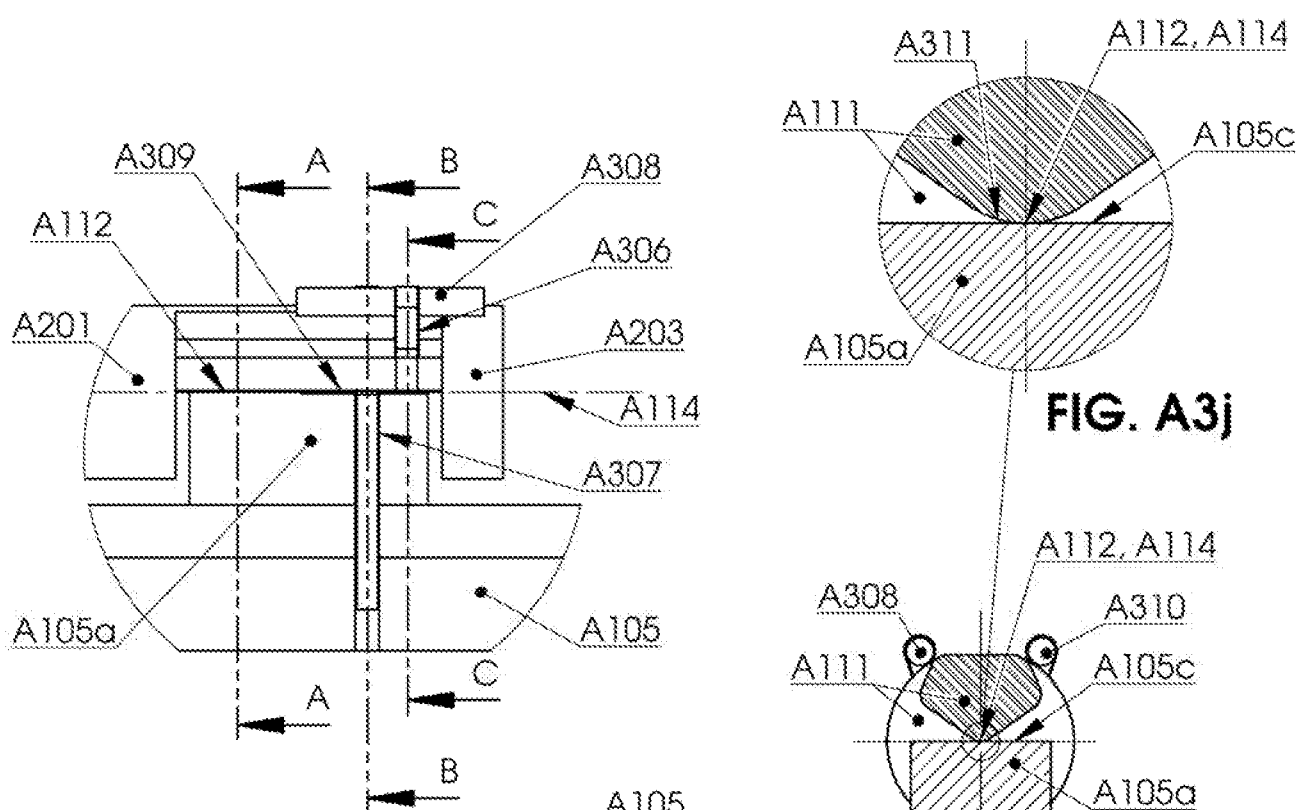


FIG. A3f
DETAIL A

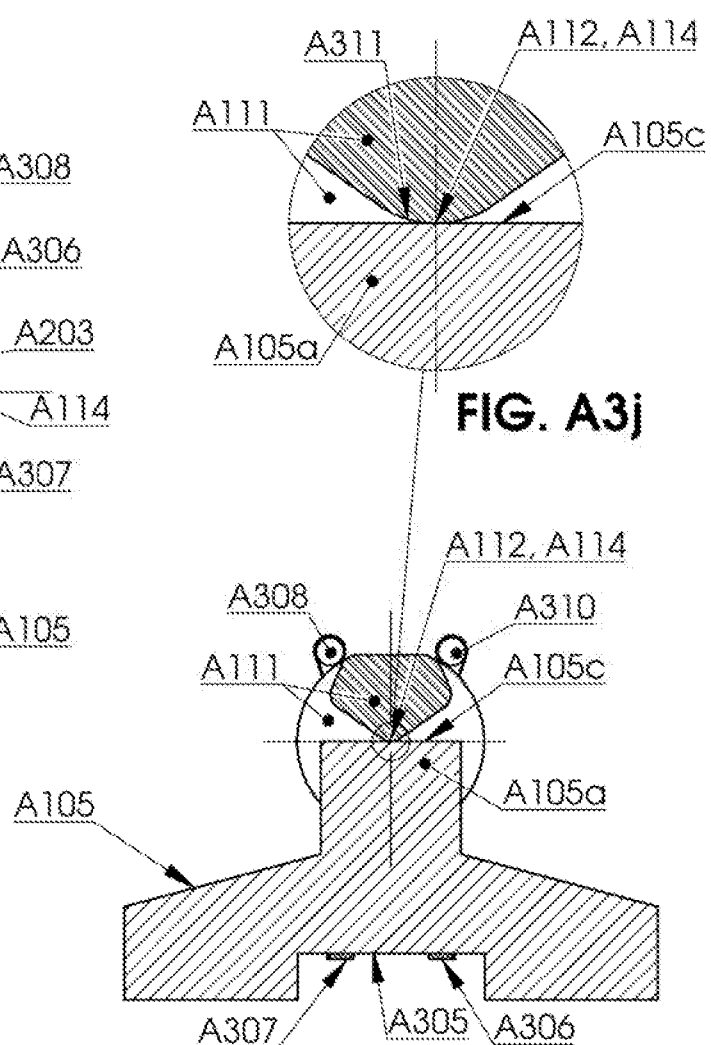


FIG. A3g
SECTION A-A

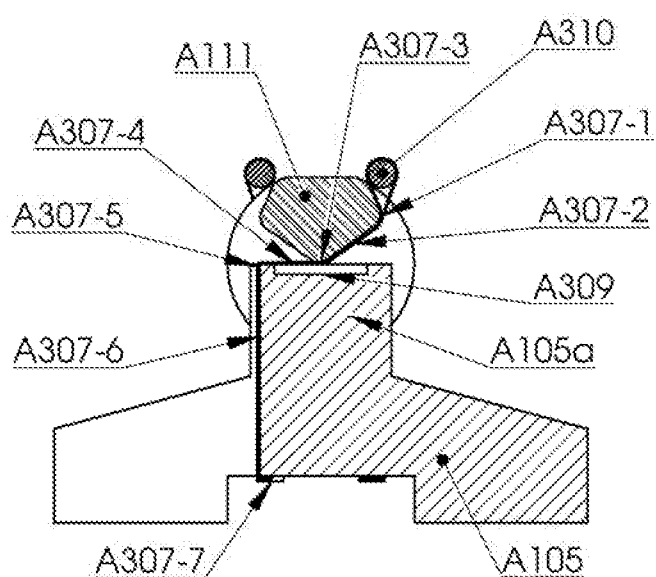


FIG. A3h
SECTION B-B

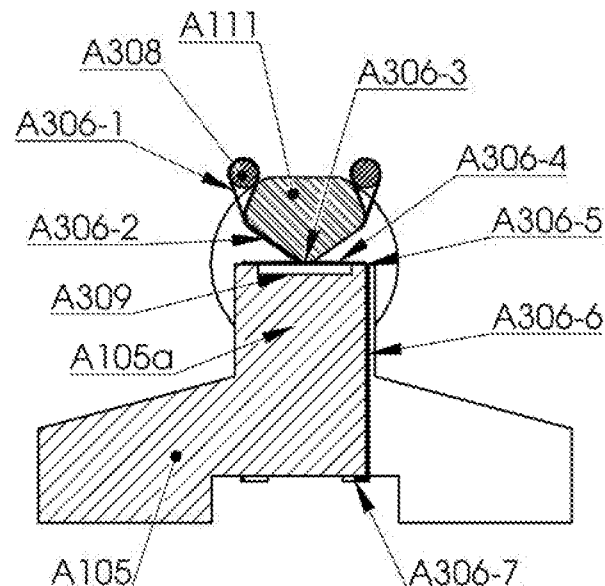
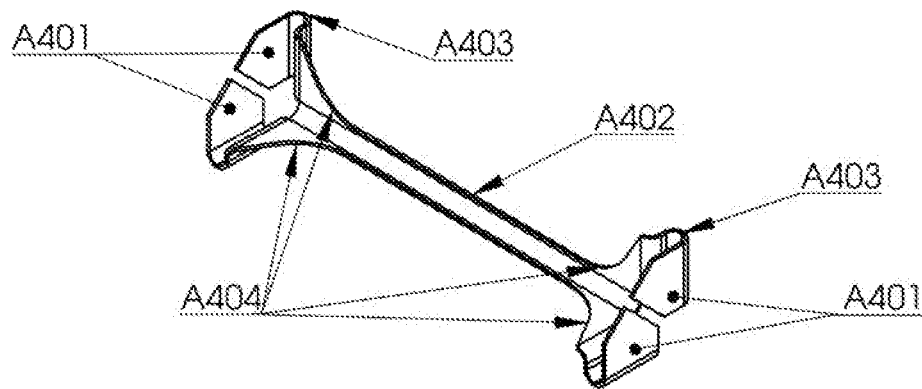
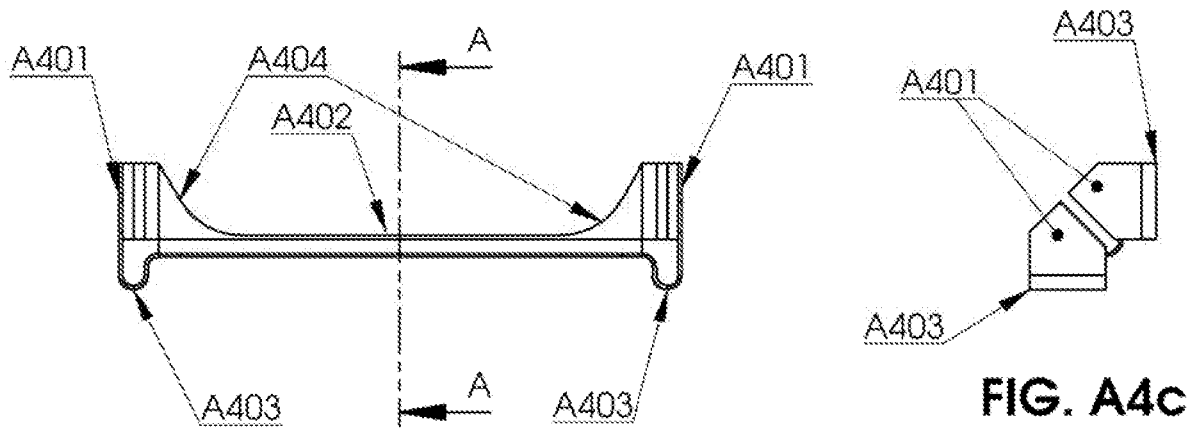
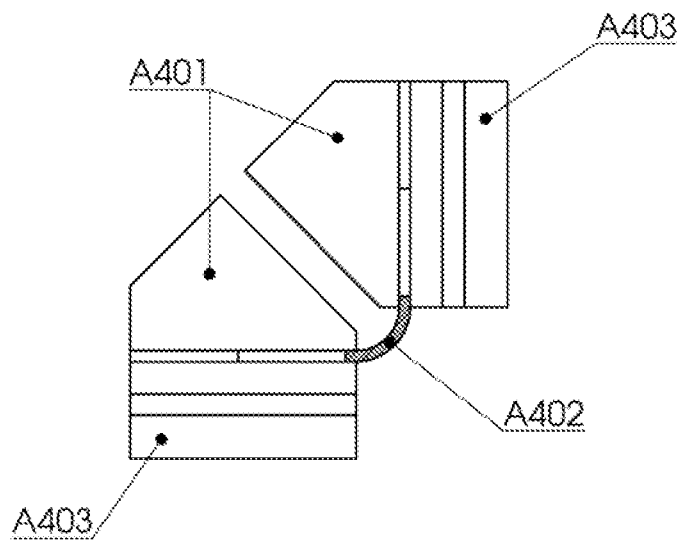
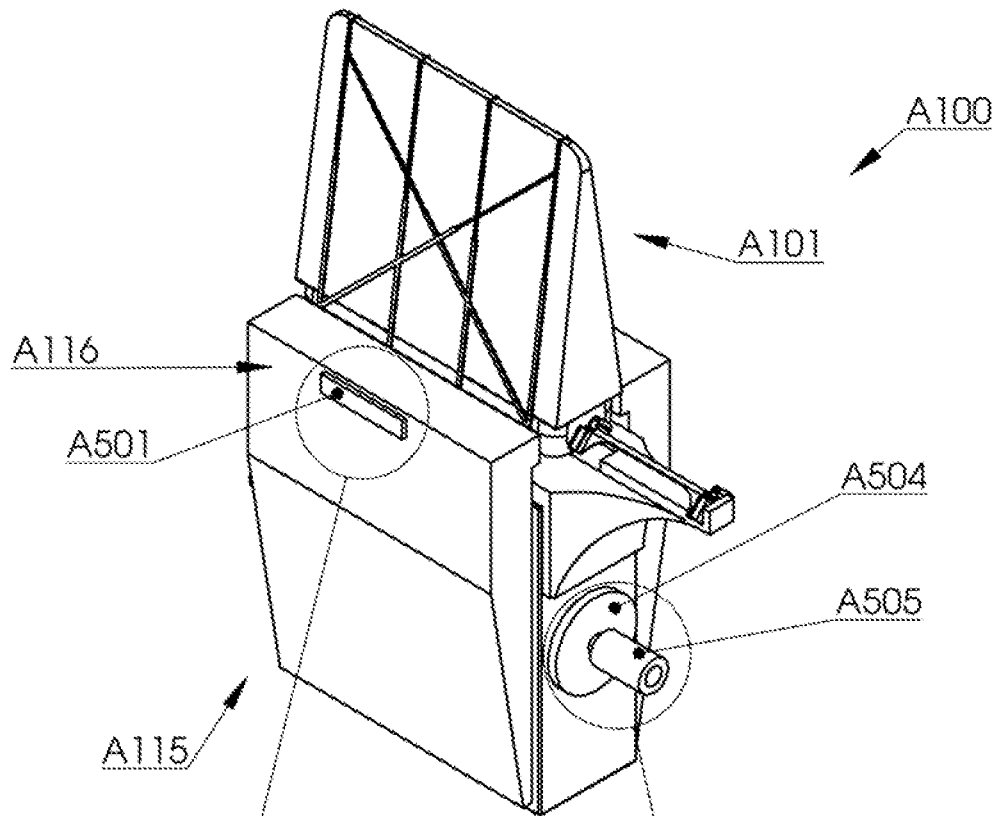
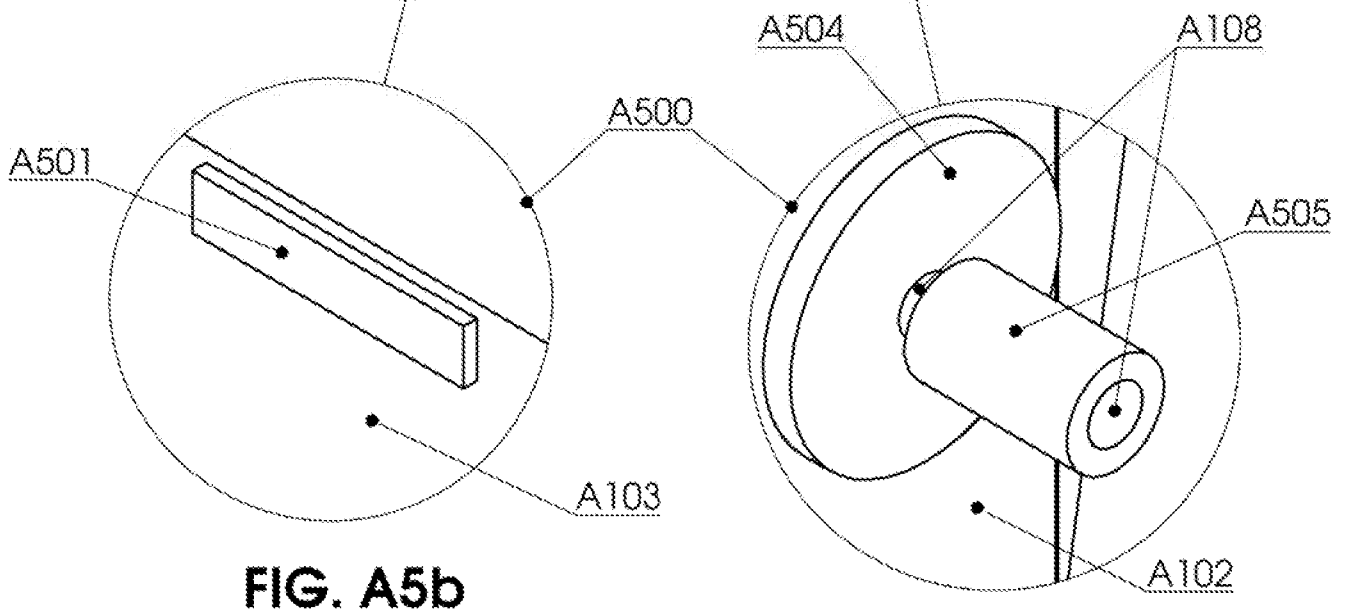


FIG. A3i
SECTION C-C

**FIG. A4a****FIG. A4b****FIG. A4c****FIG. A4d**
SECTION A-A

**FIG. A5a****FIG. A5b****FIG. A5c**

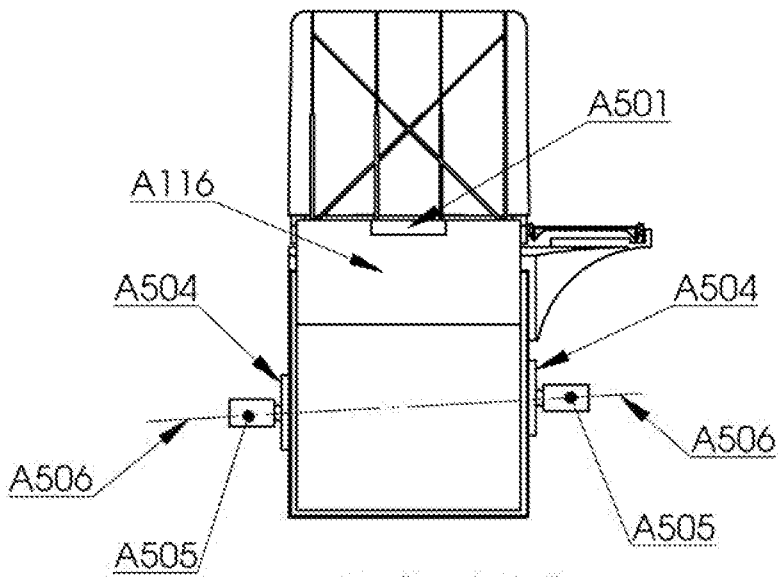


FIG. A5d

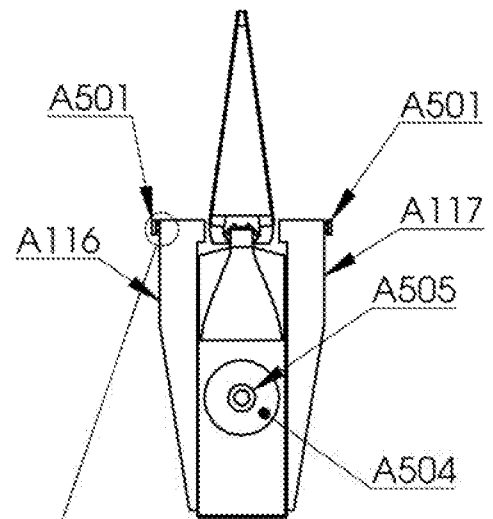


FIG. A5e

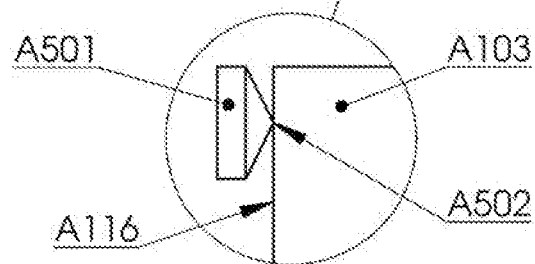


FIG. A5f

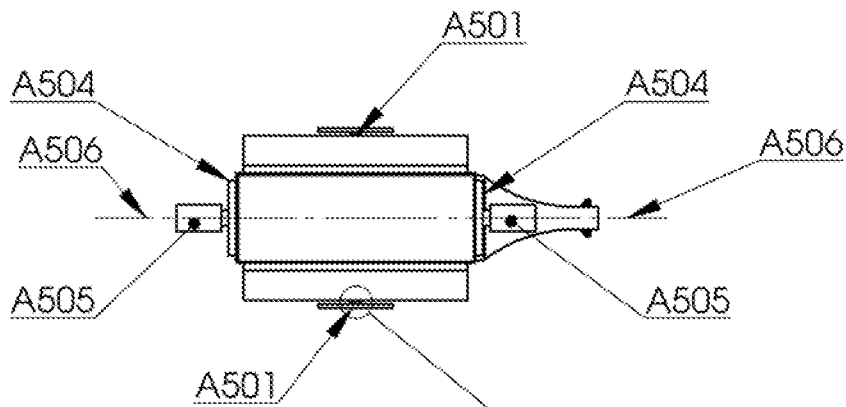


FIG. A5g

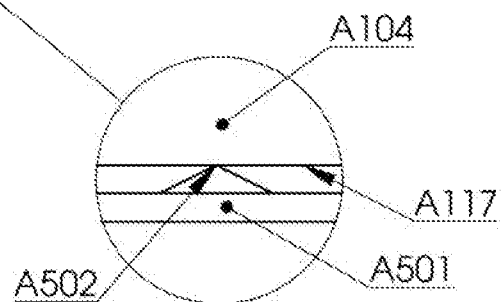


FIG. A5h

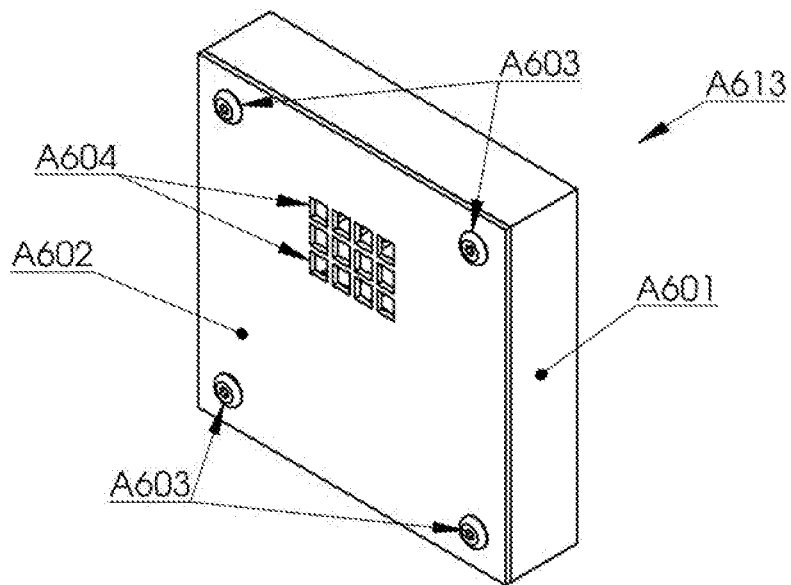


FIG. A6a

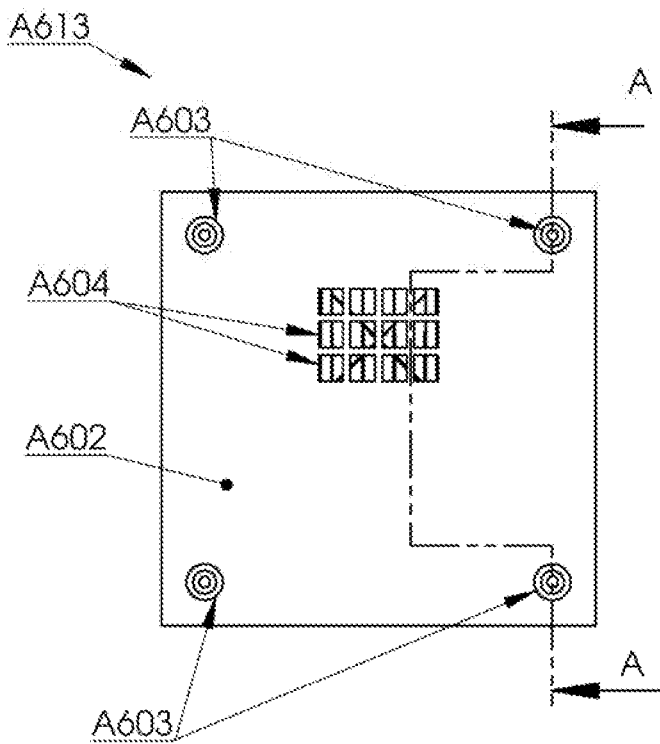


FIG. A6b

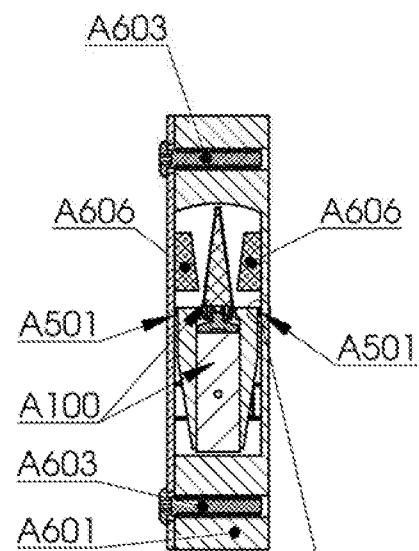


FIG. A6c

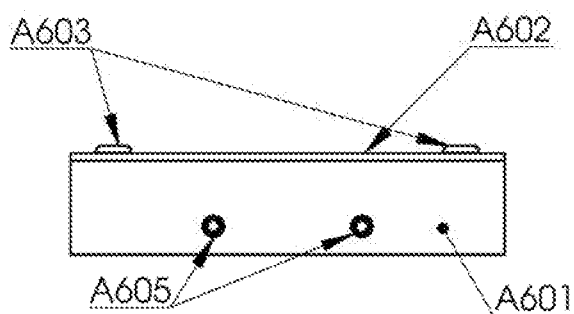


FIG. A6e

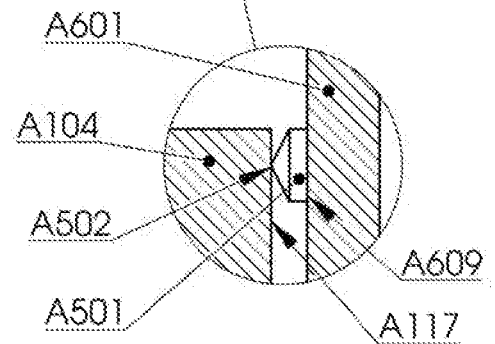


FIG. A6d

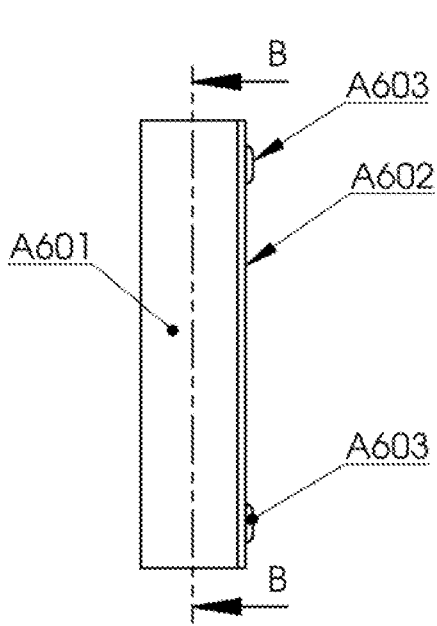


FIG. A6f

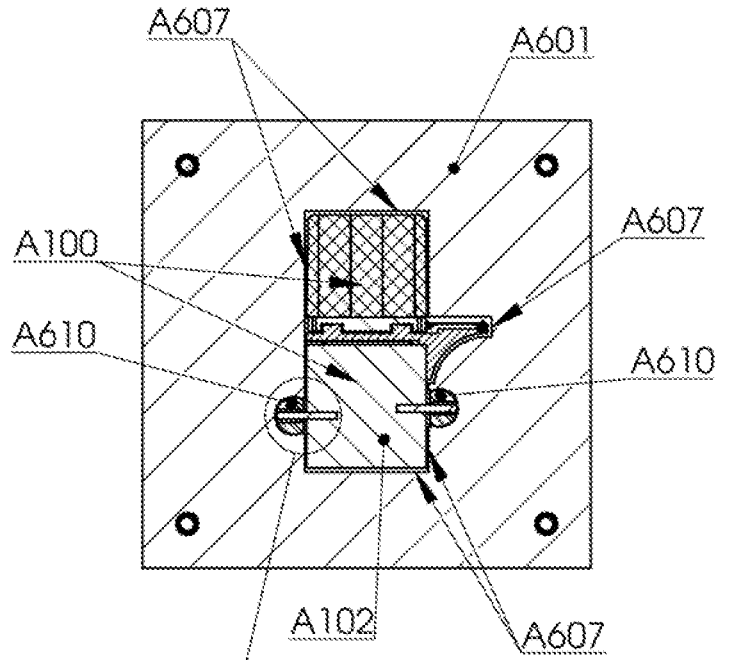


FIG. A6g
SECTION B-B

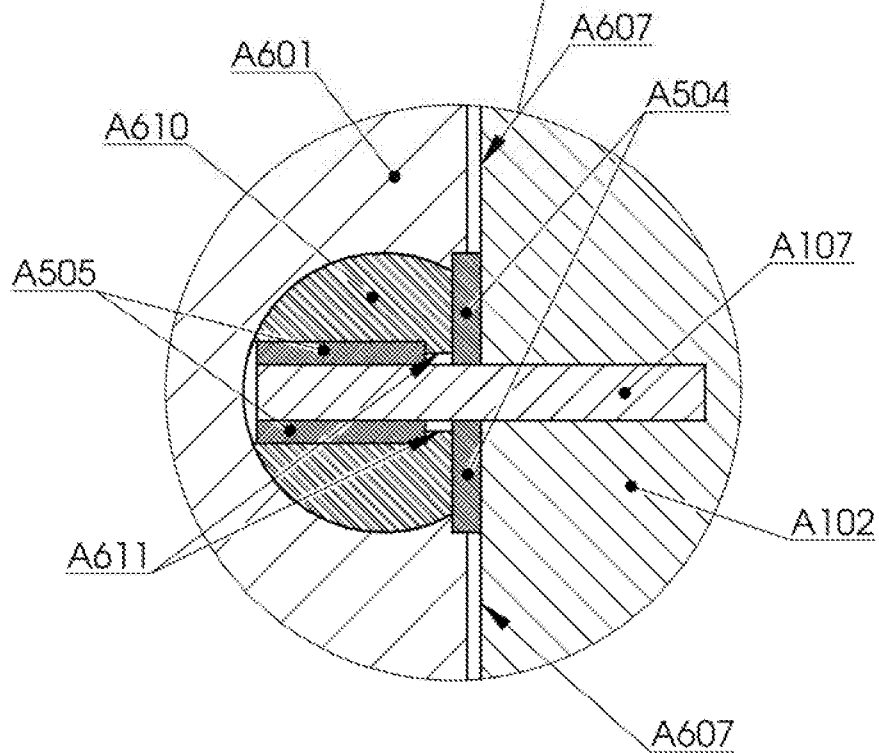


FIG. A6h

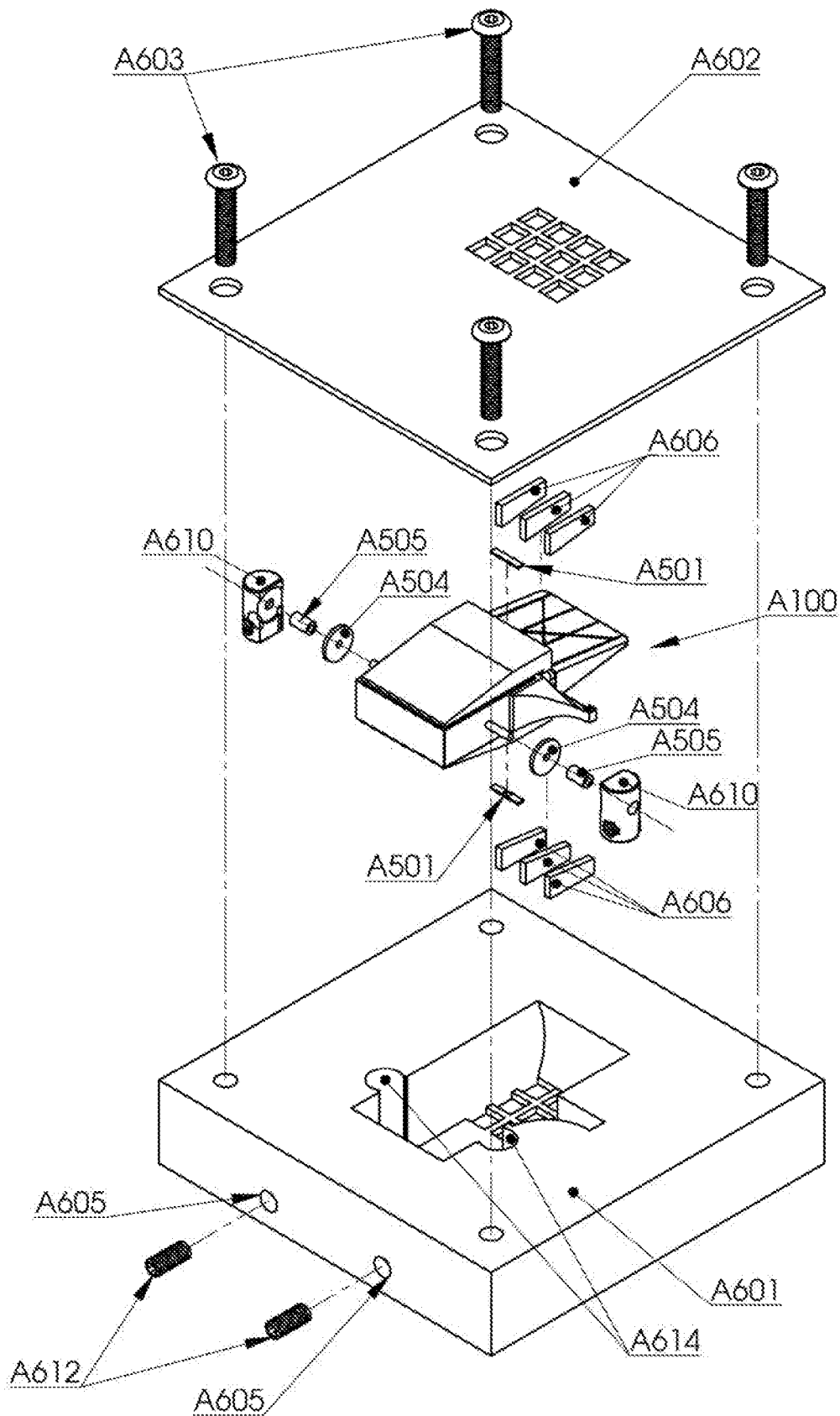


FIG. A6i

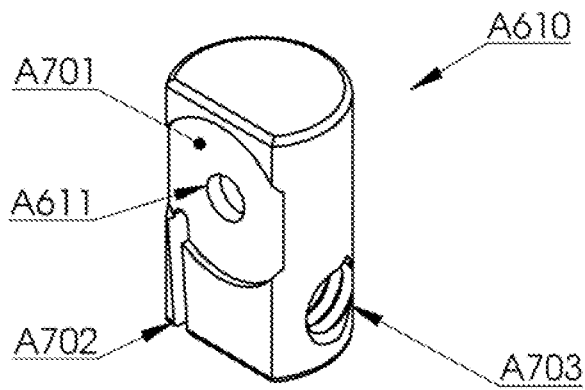


FIG. A7a

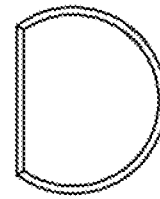


FIG. A7b

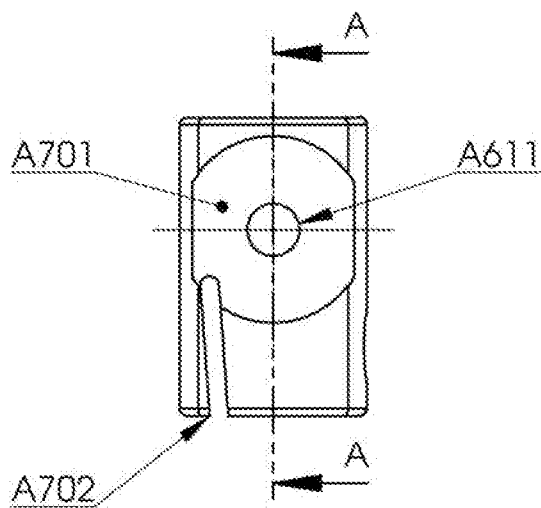


FIG. A7c

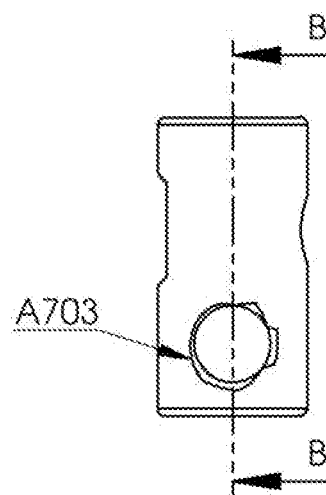


FIG. A7d

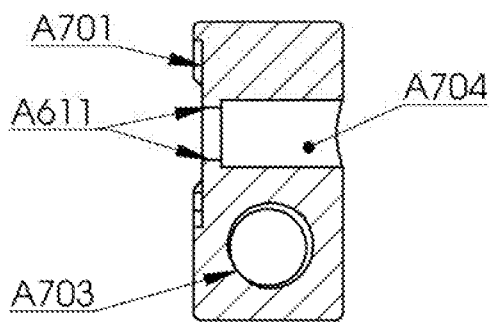


FIG. A7e
SECTION A-A

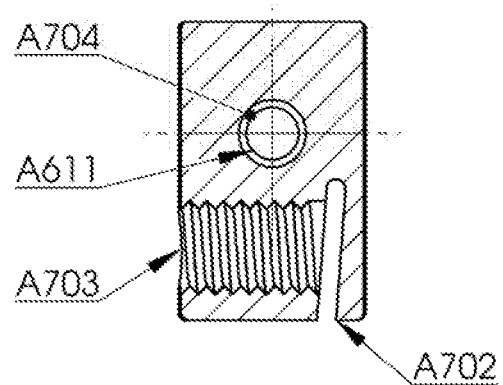


FIG. A7f
SECTION B-B

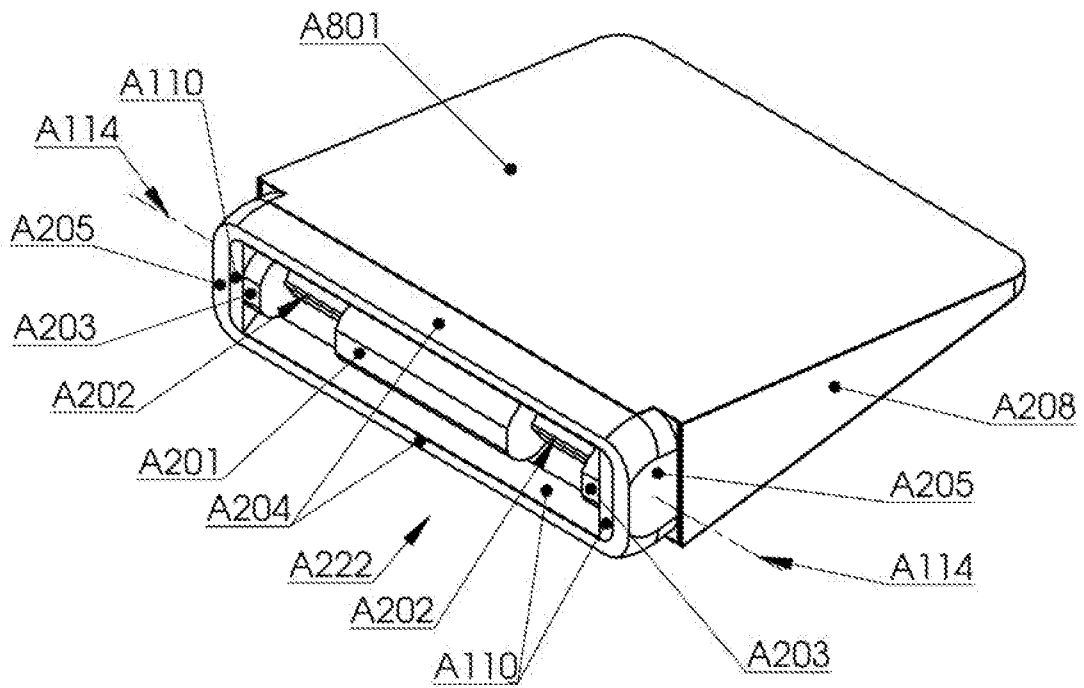


FIG. A8a

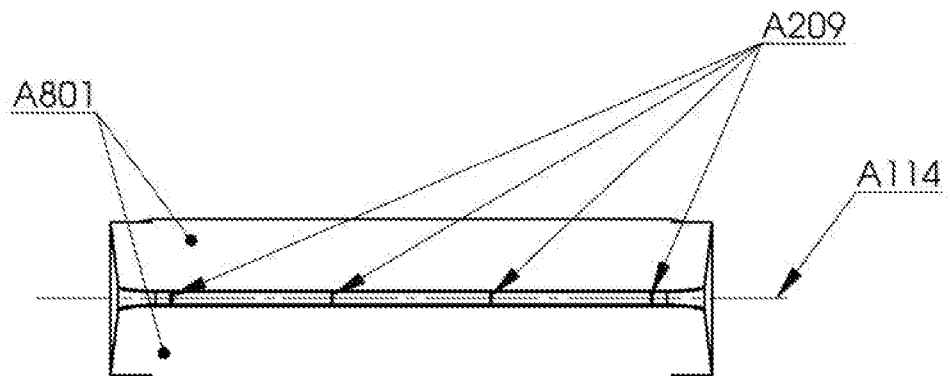


FIG. A8b

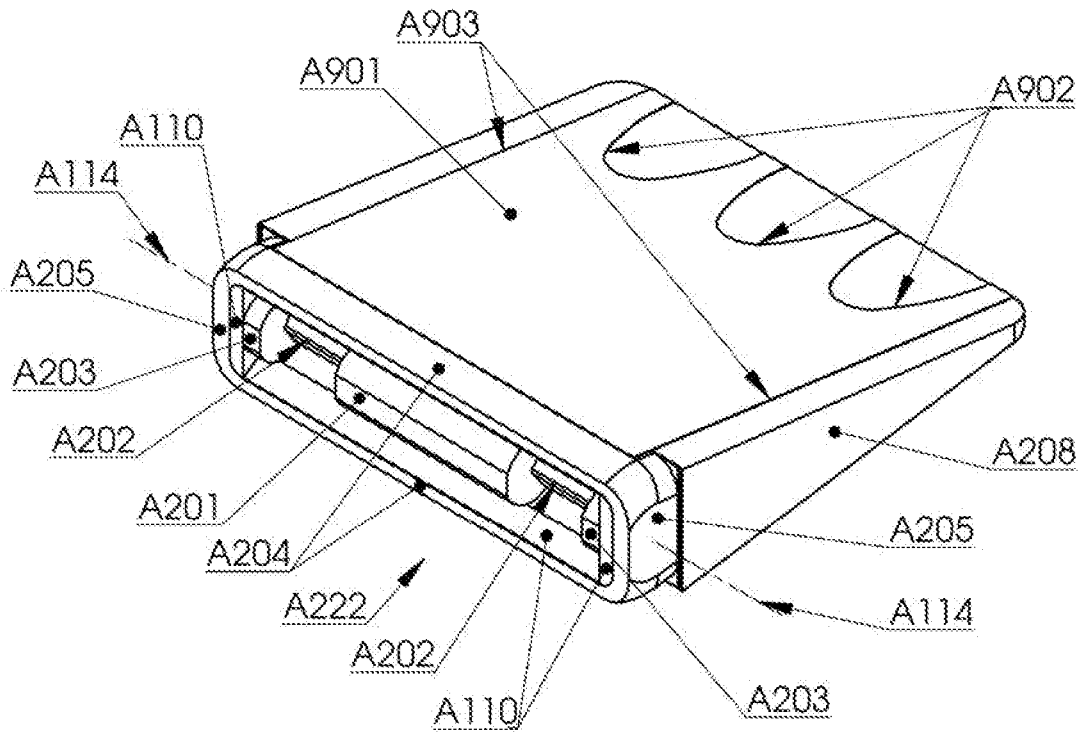


FIG. A9a

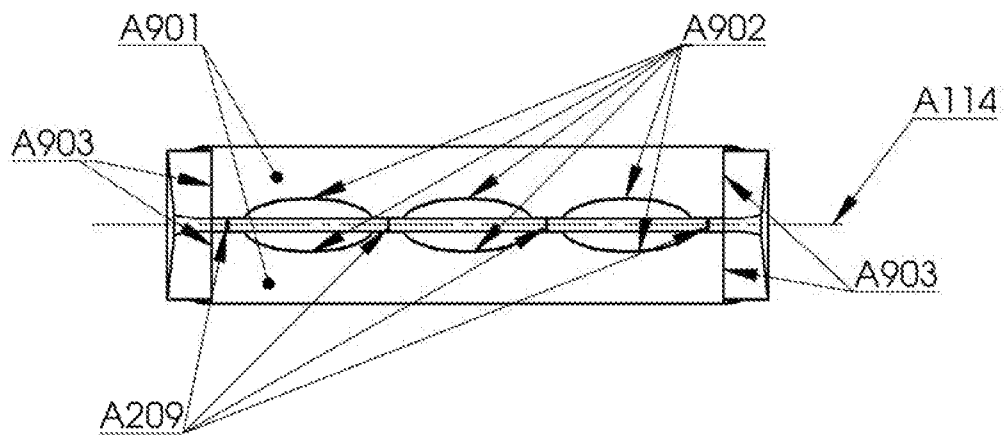
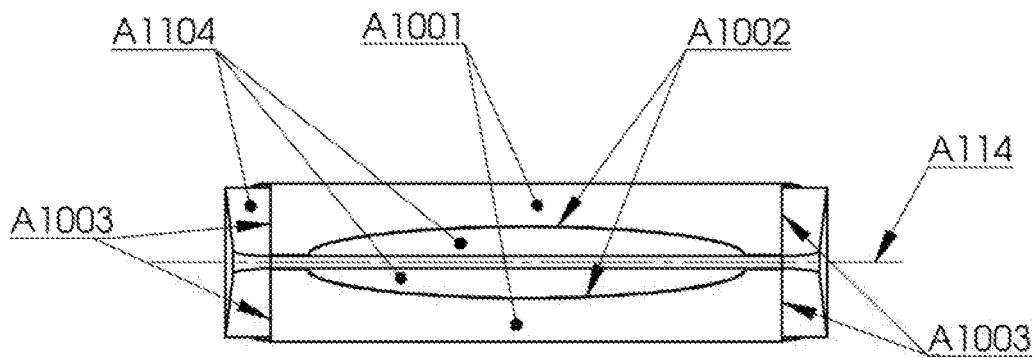
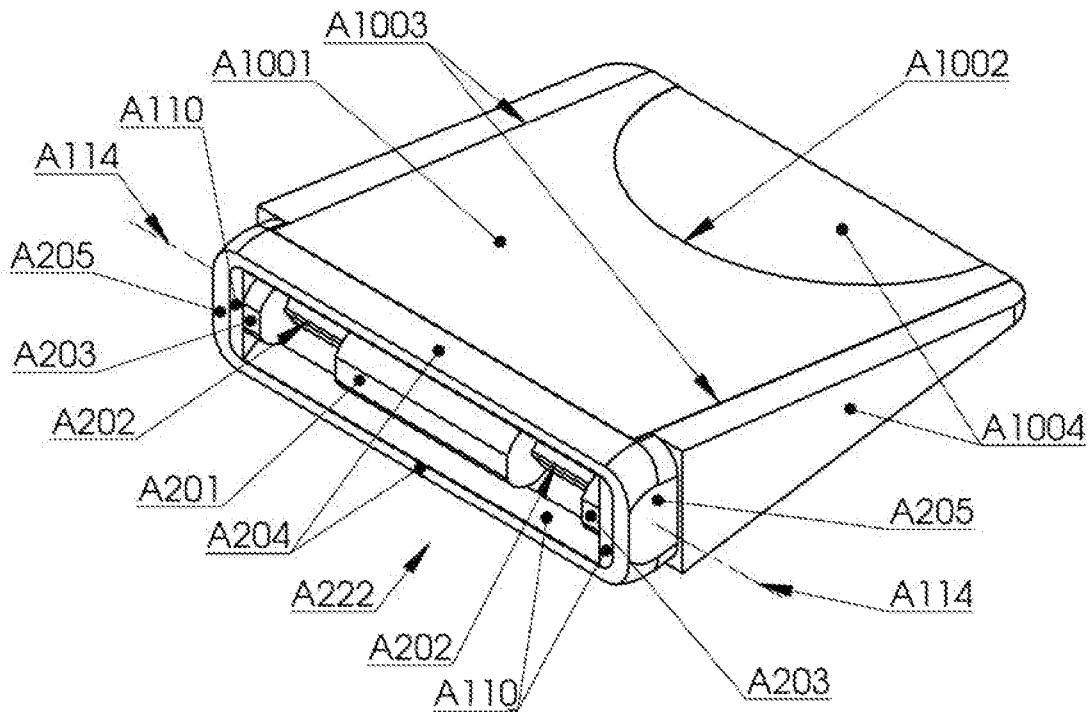


FIG. A9b



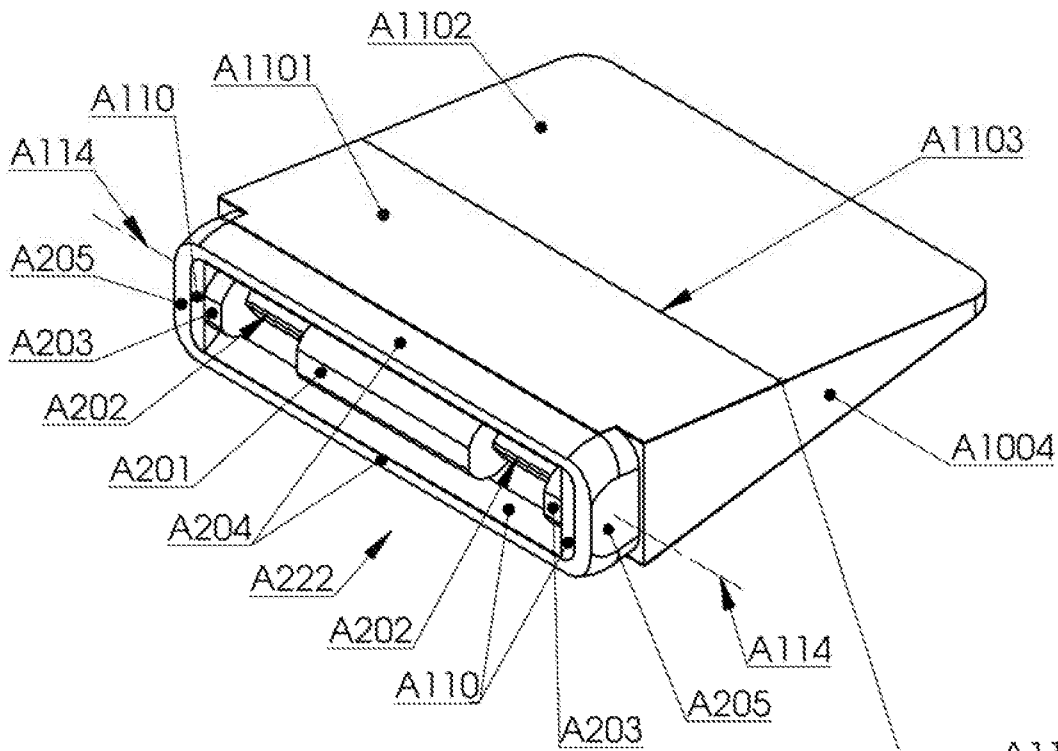


FIG. A11a

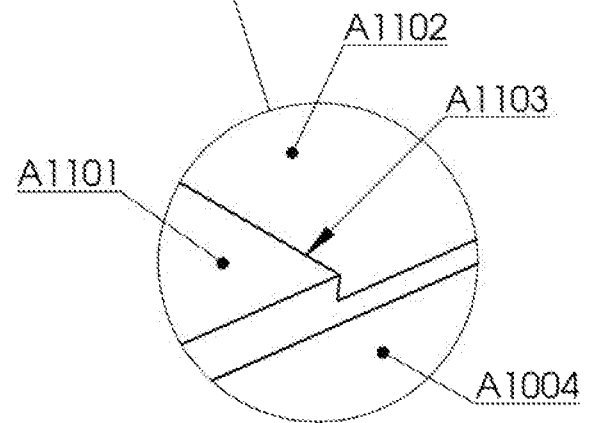


FIG. A11b

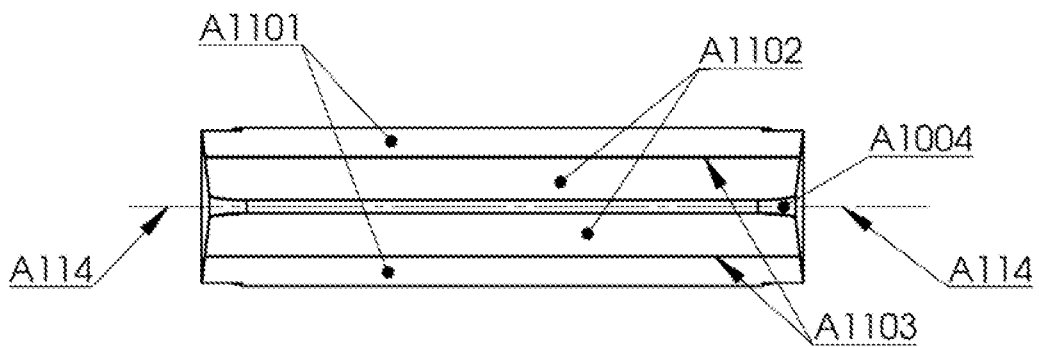
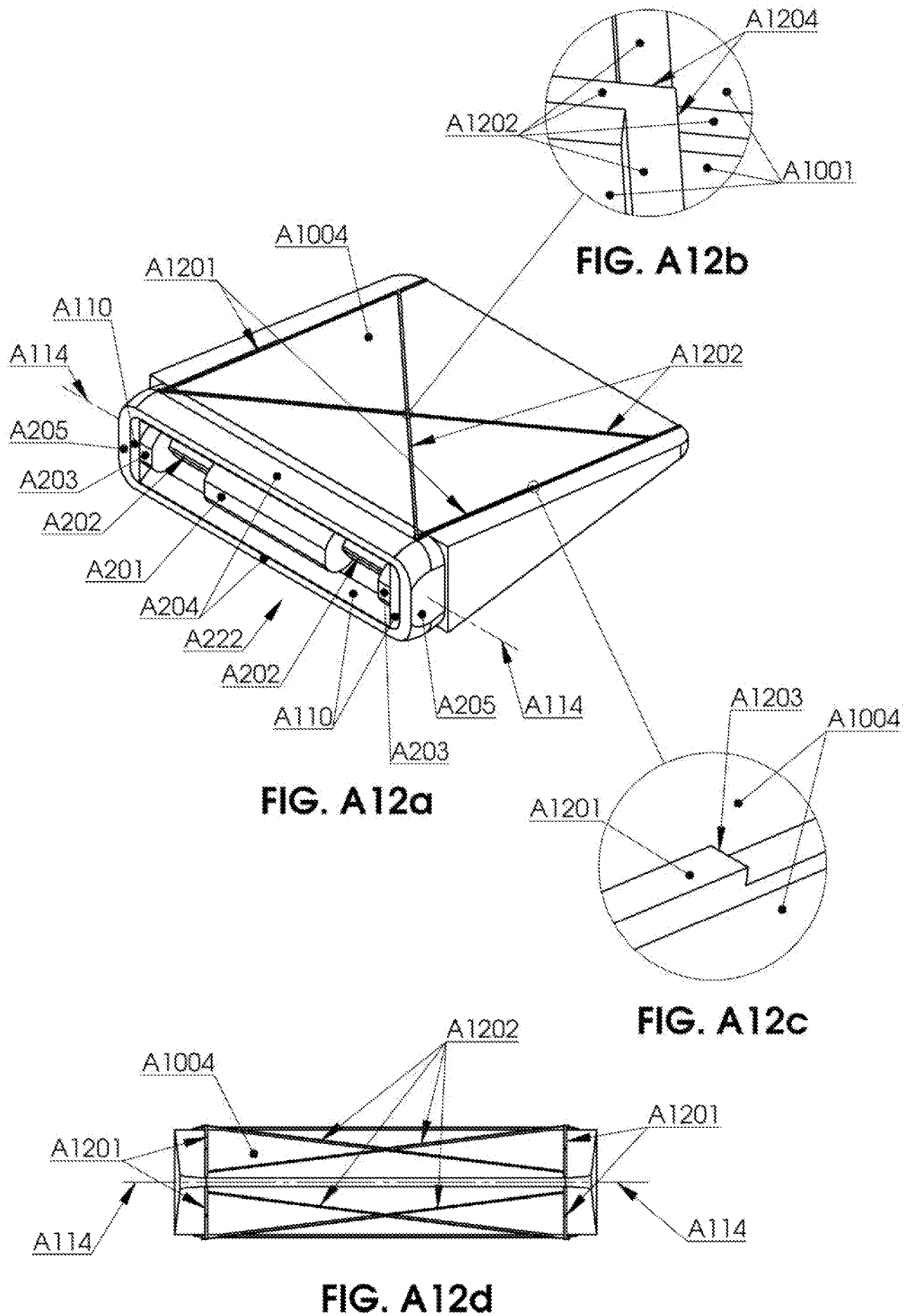
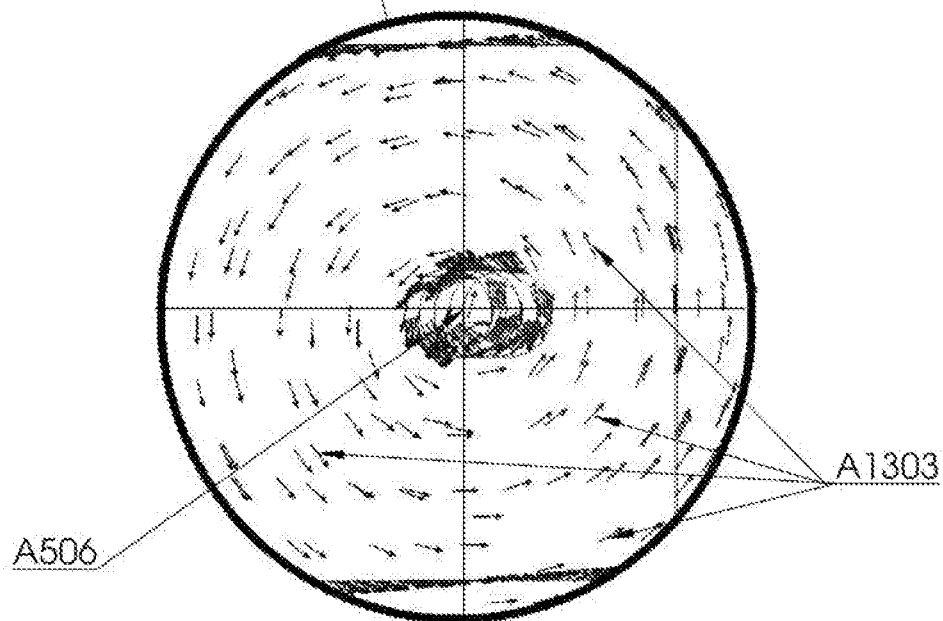
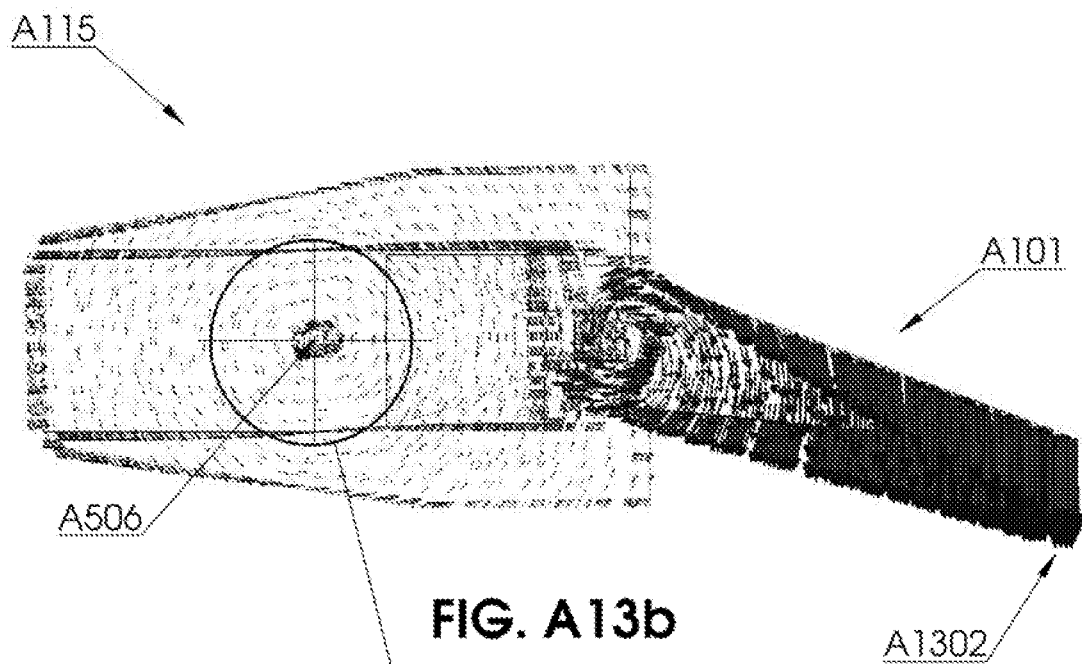


FIG. A11c







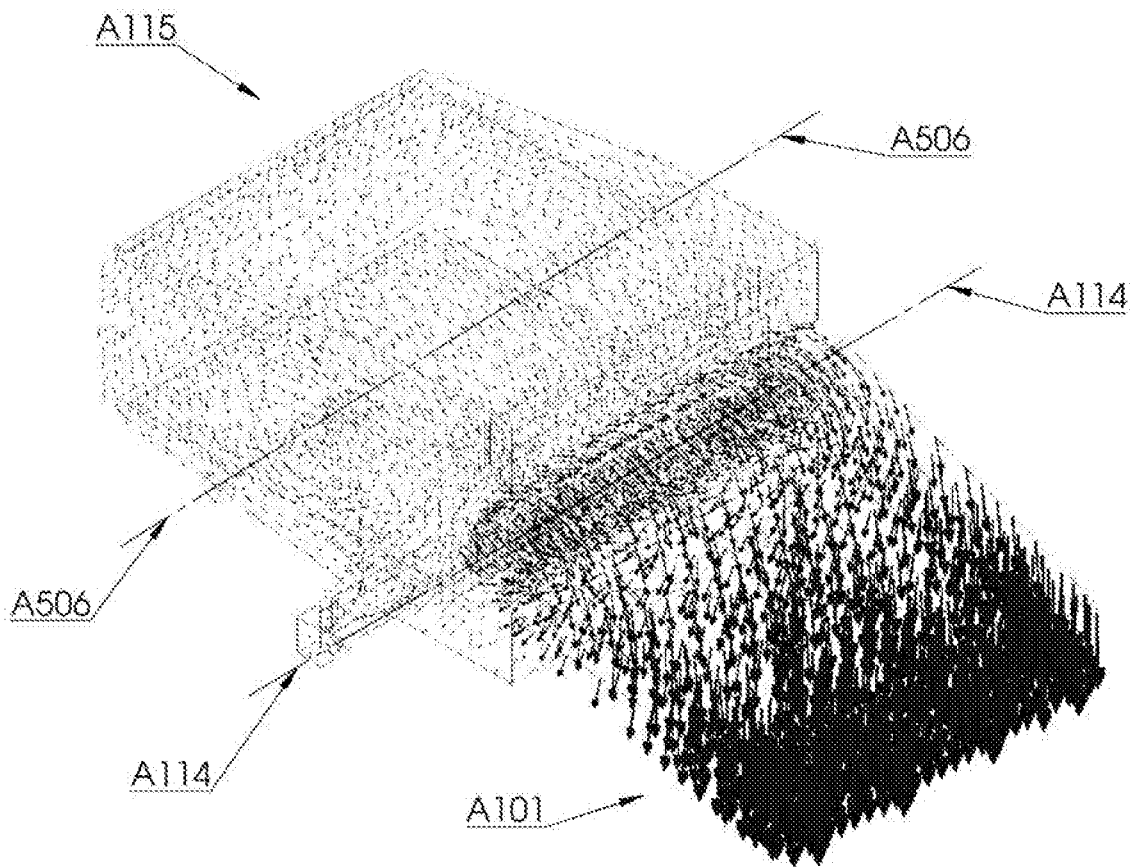


FIG. A13d

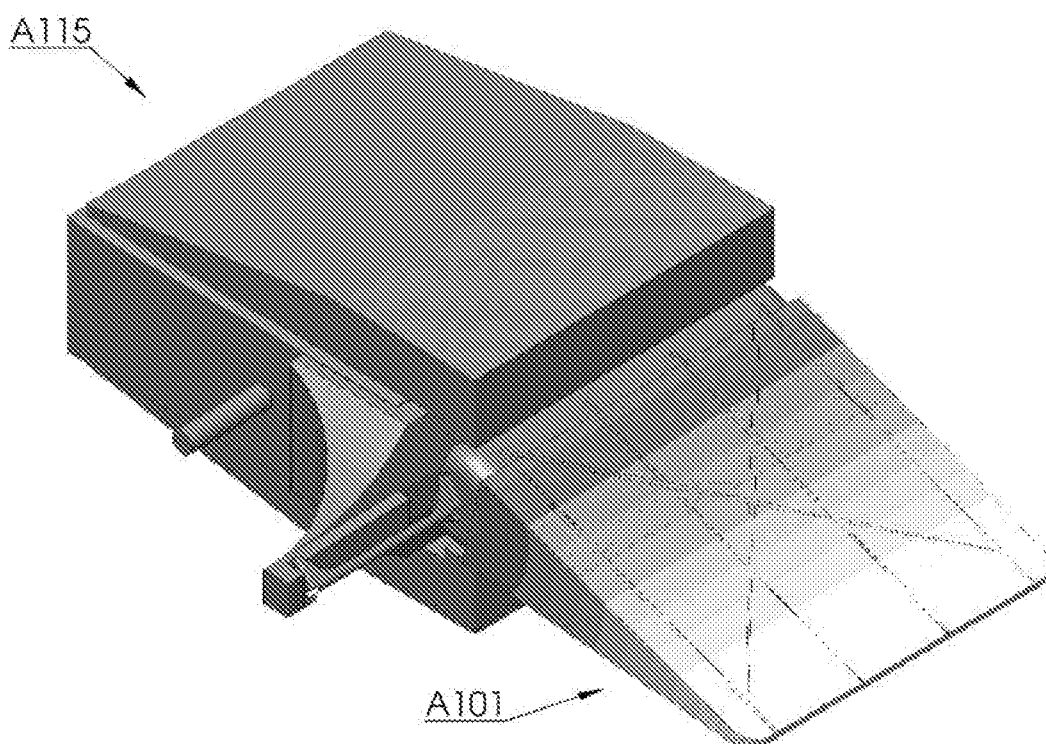
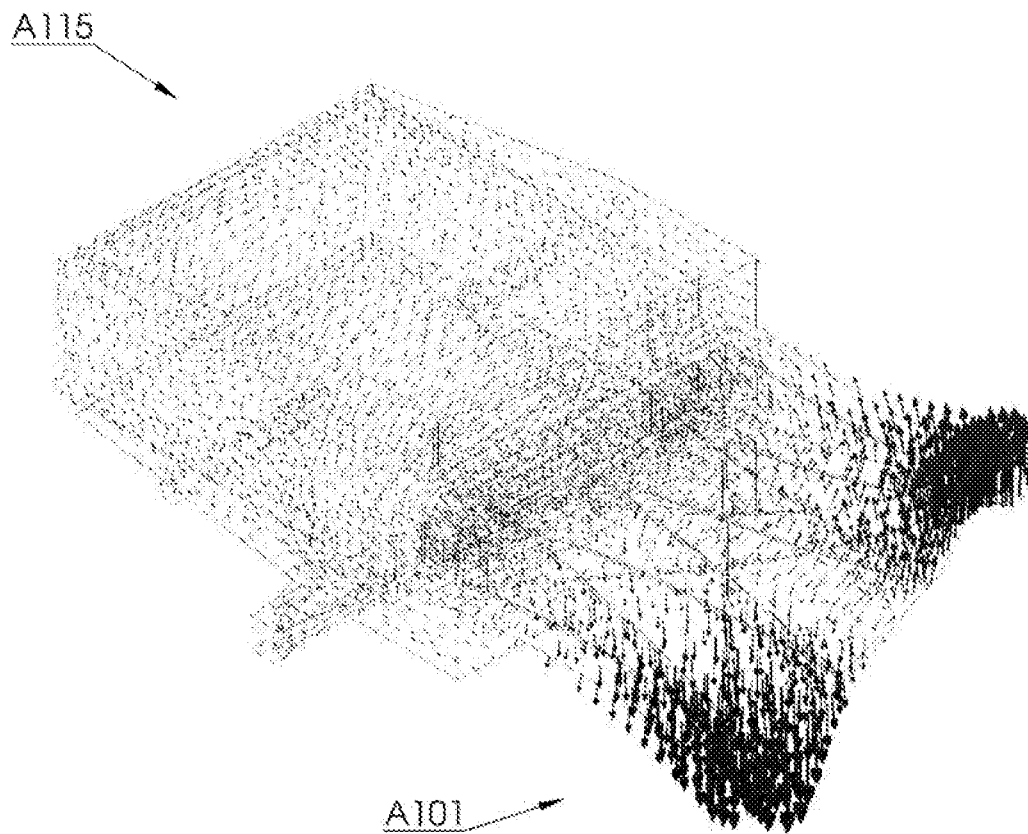
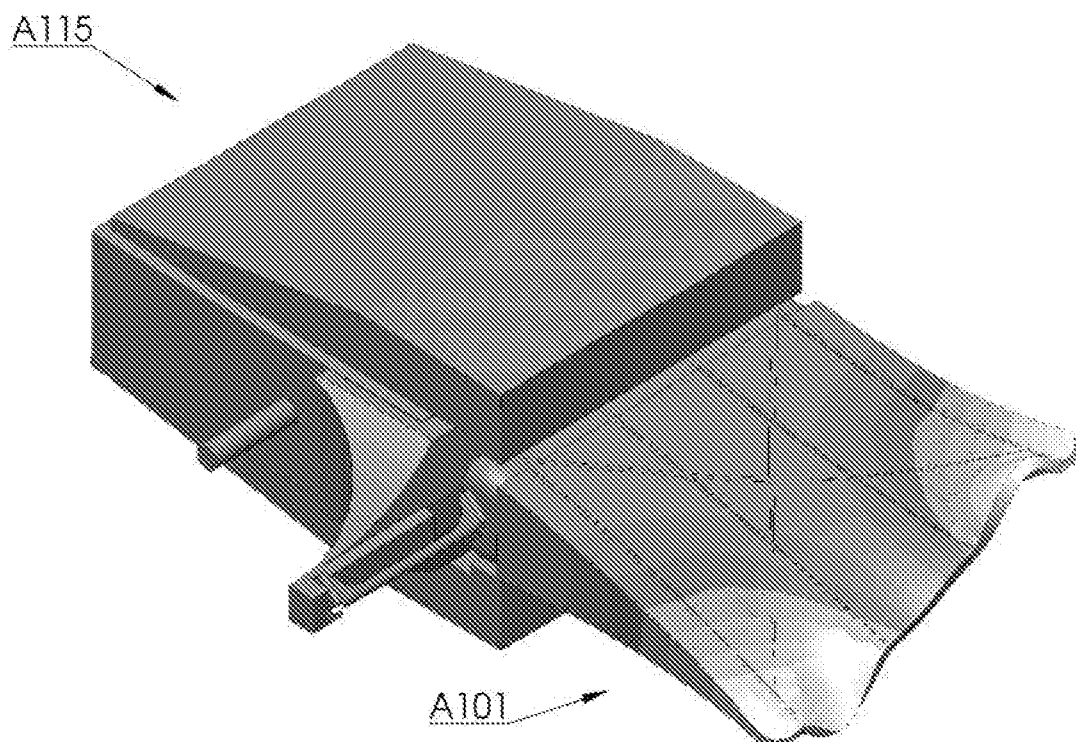


FIG. A13e

**FIG. A13f****FIG. A13g**

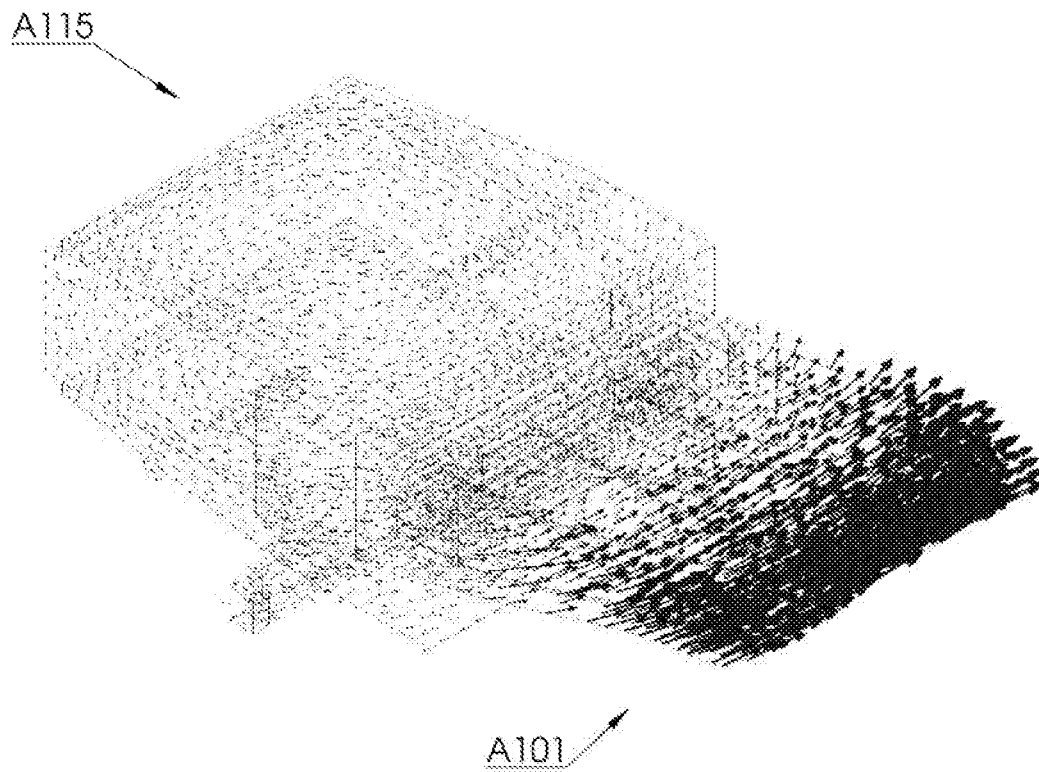


FIG. A13h

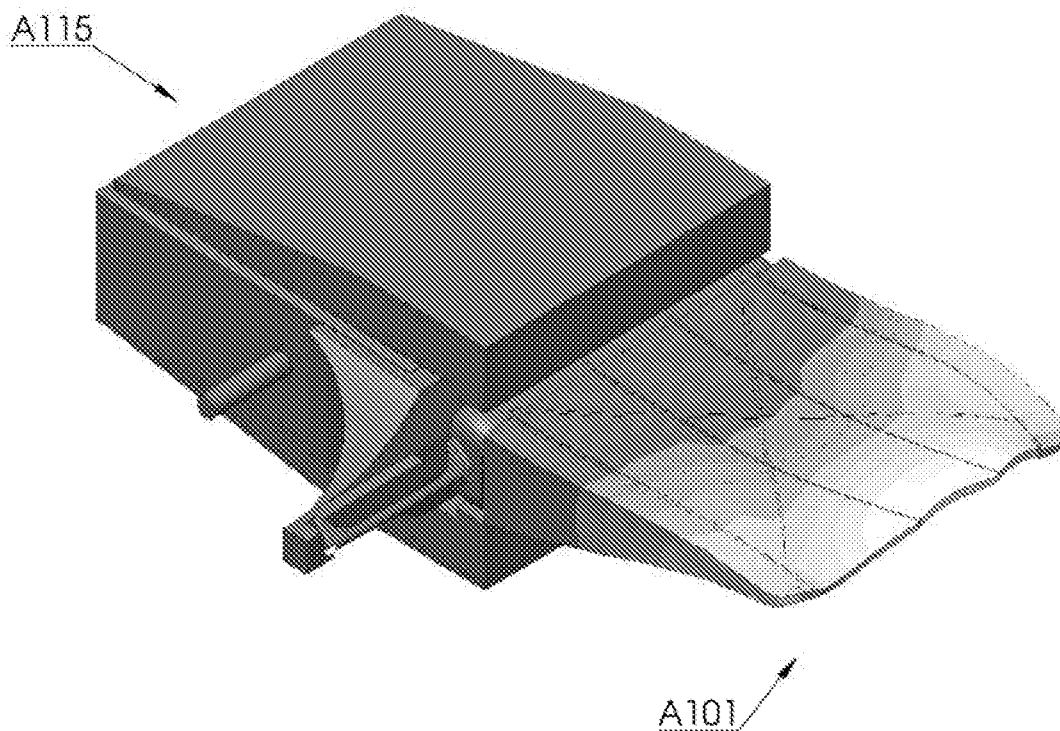
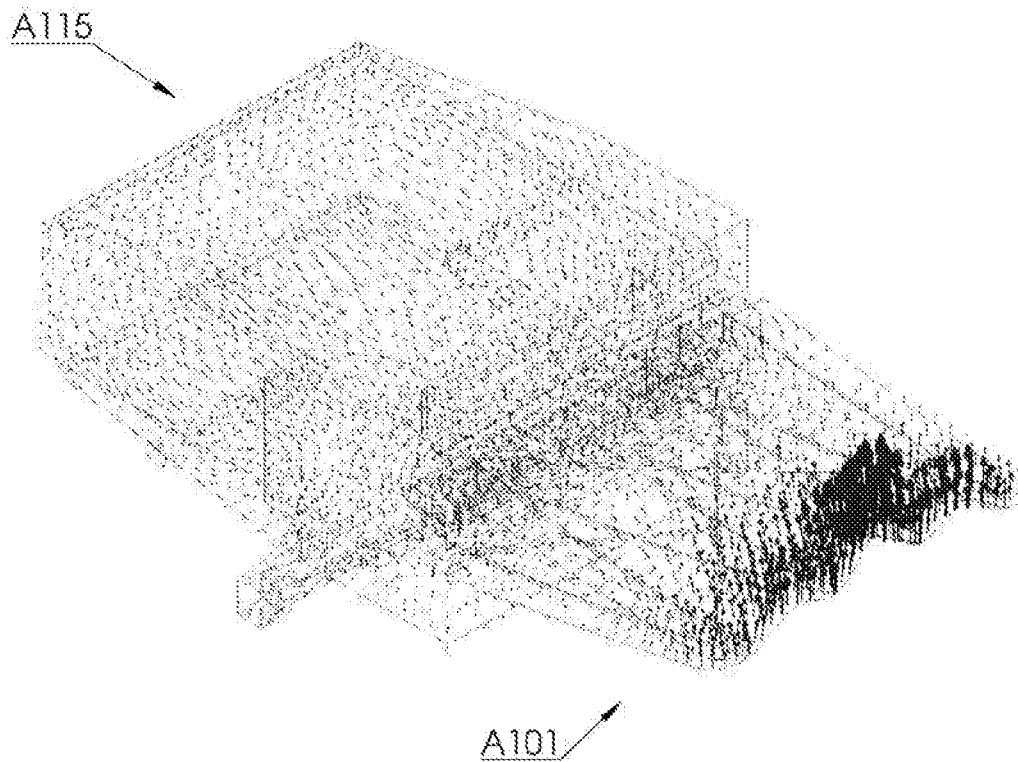
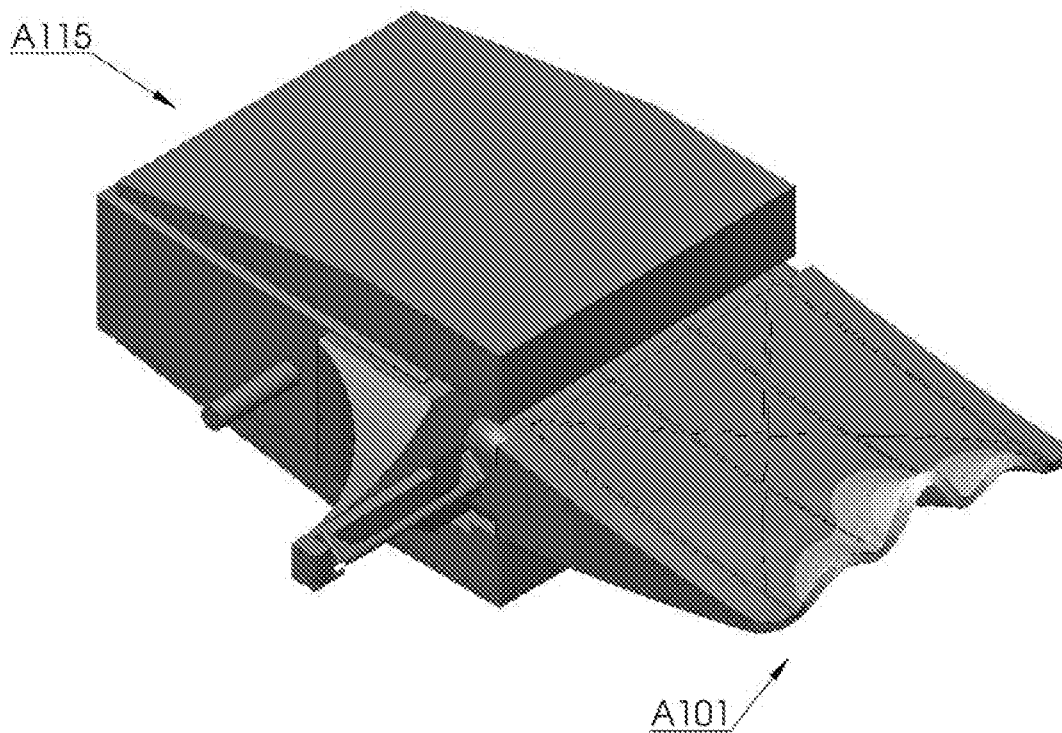
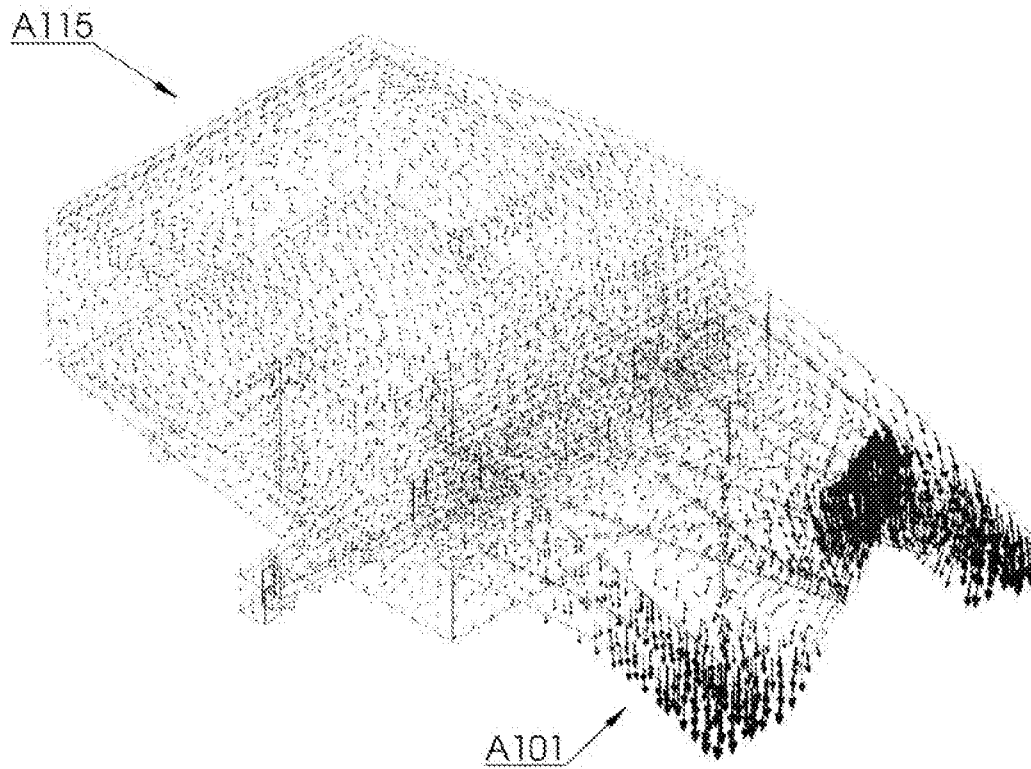
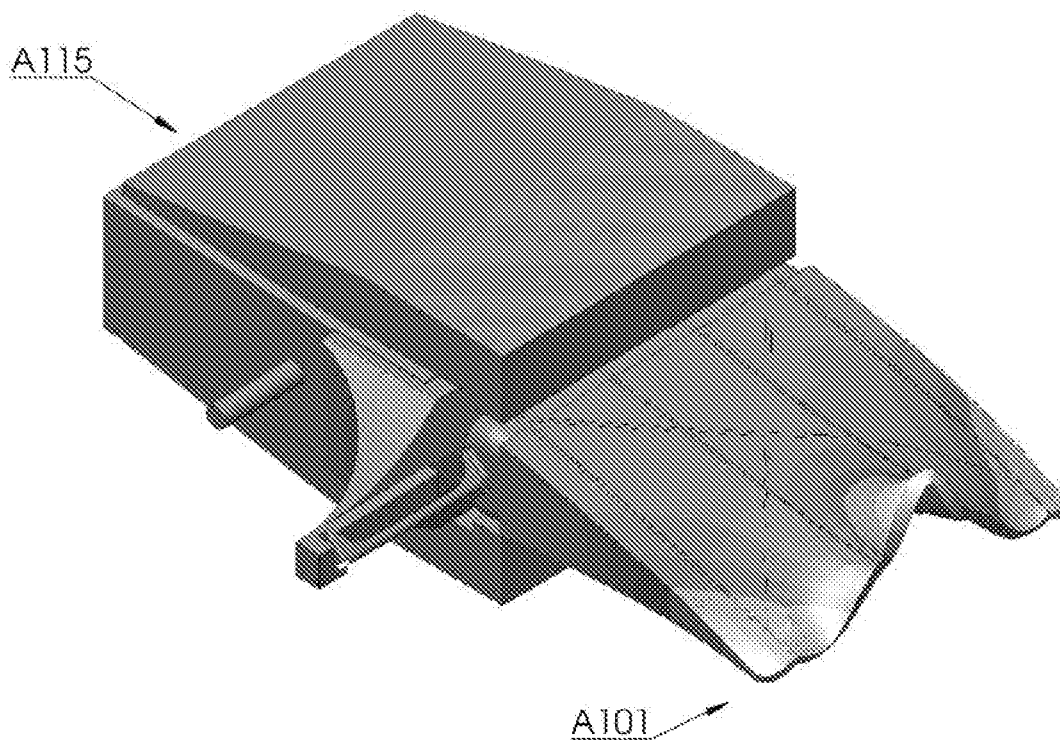
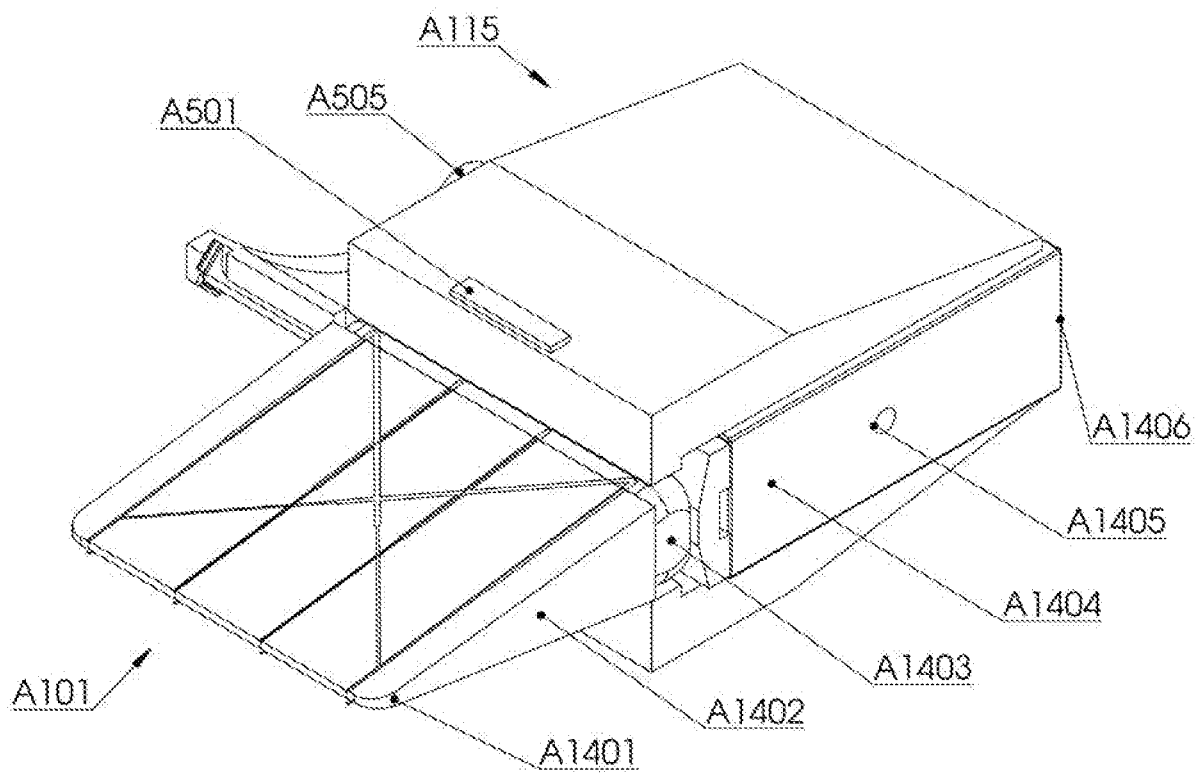
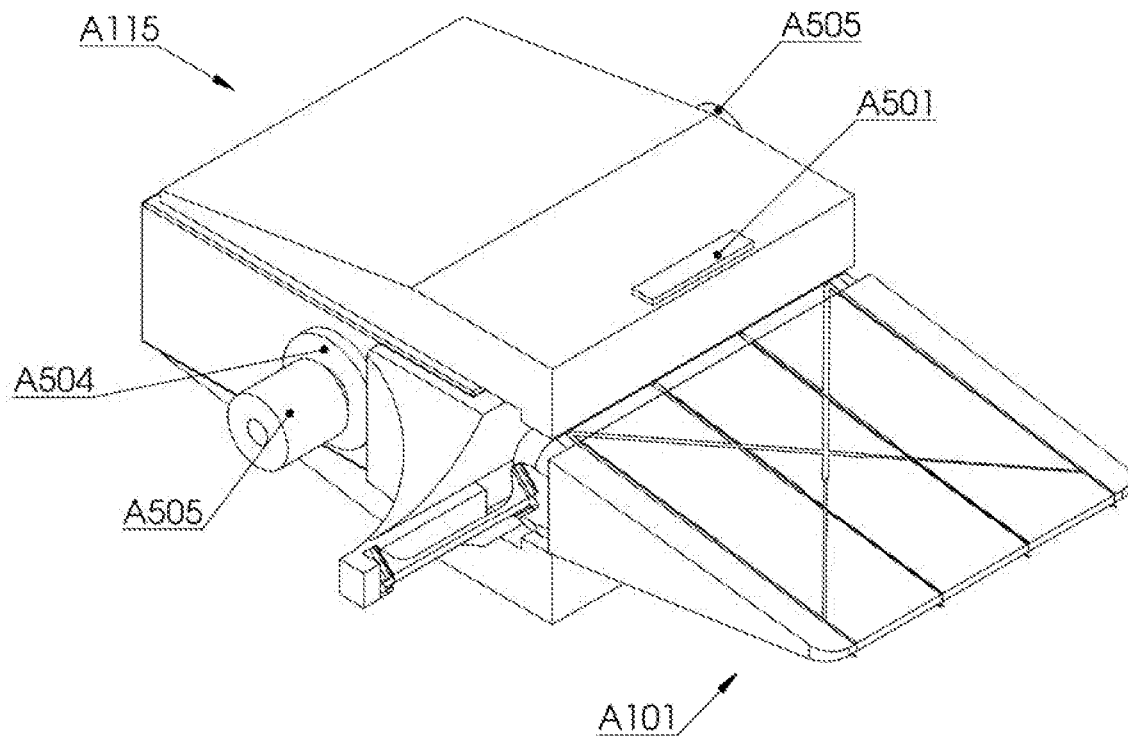
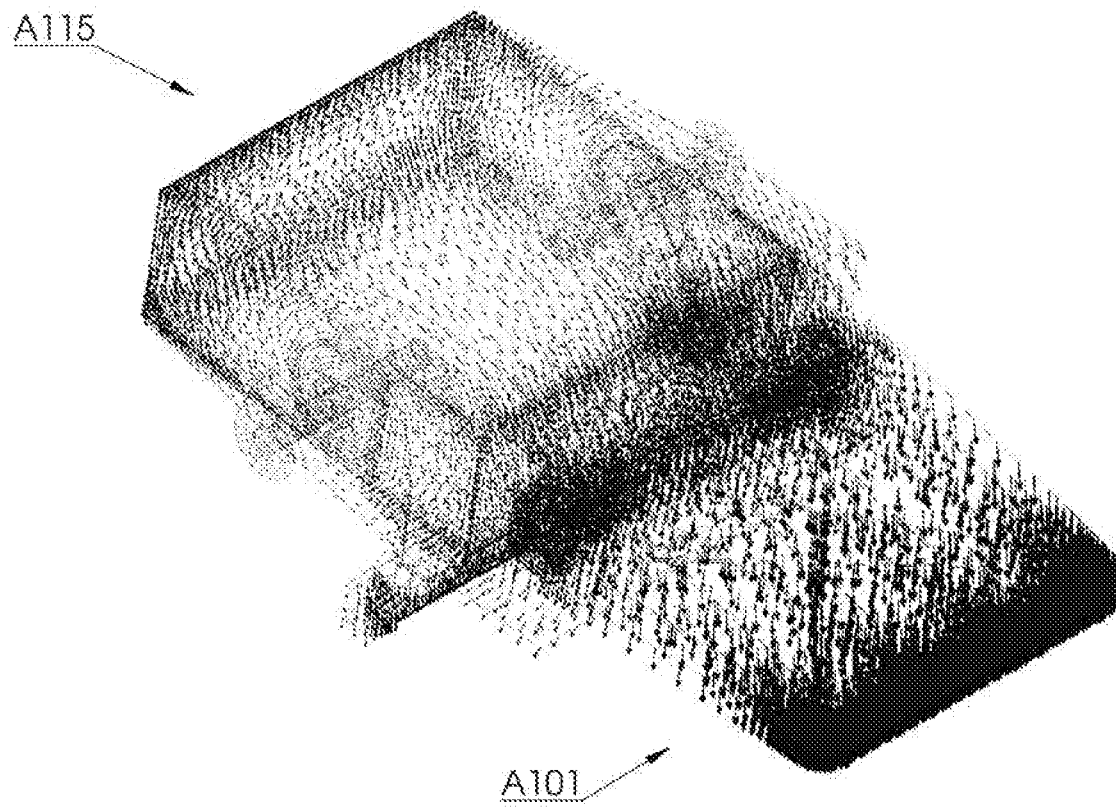
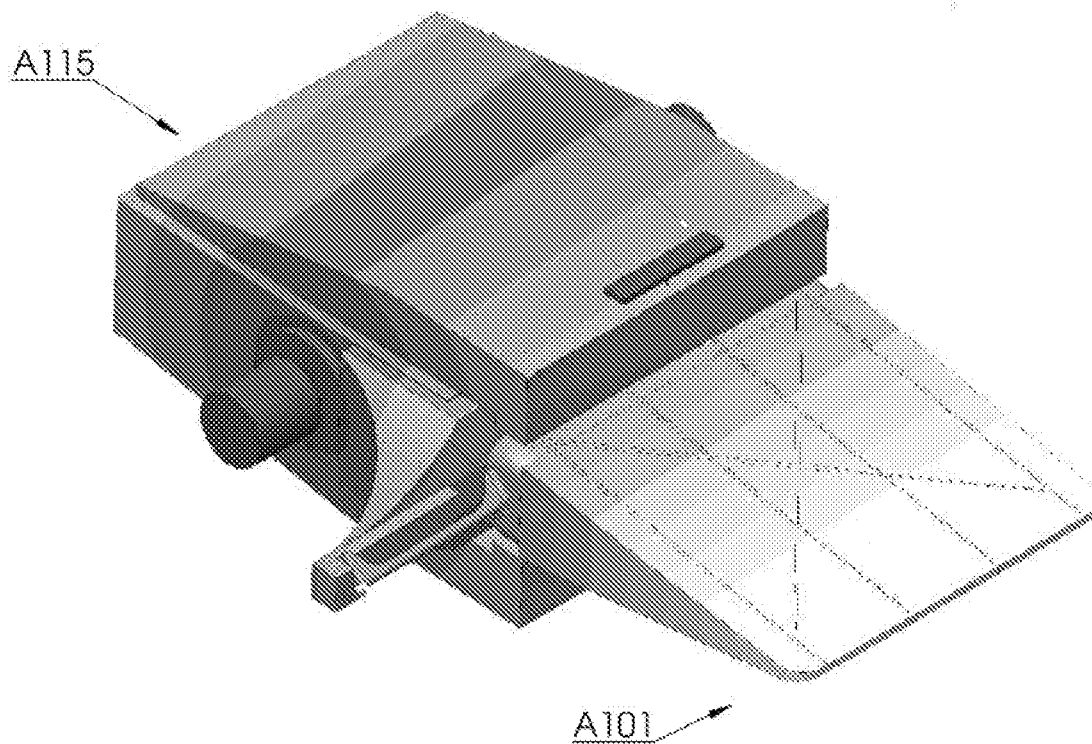


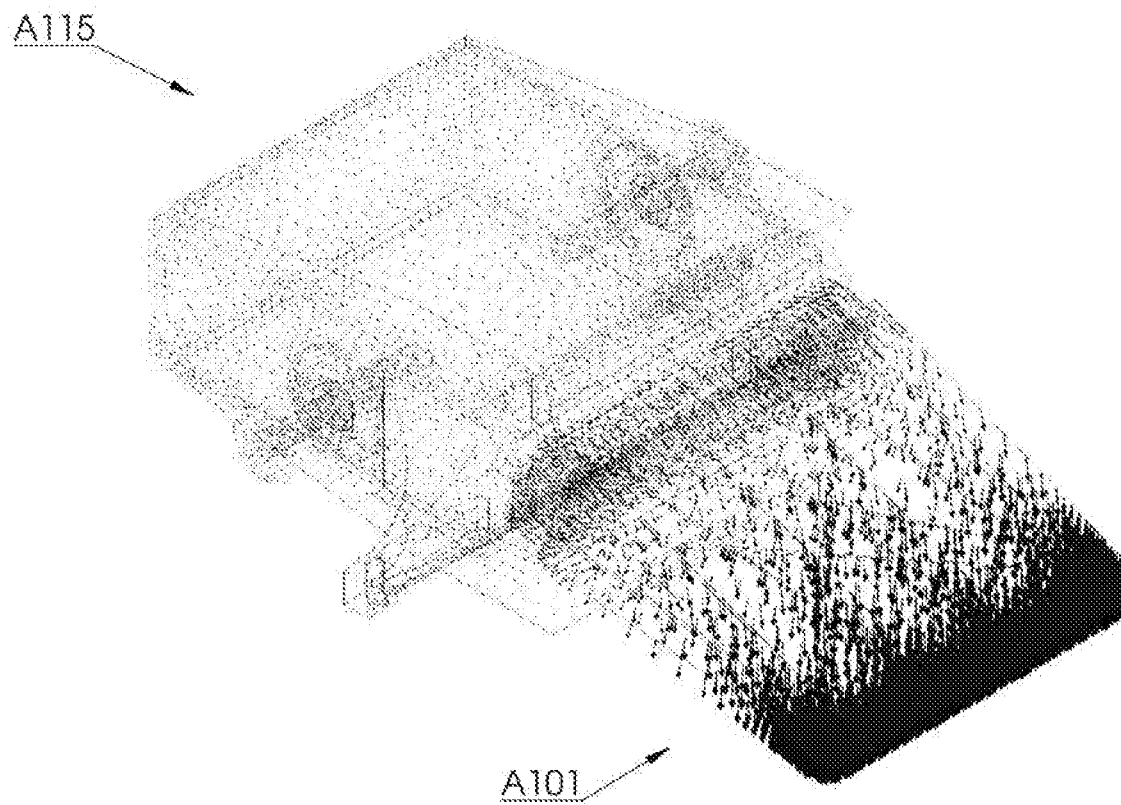
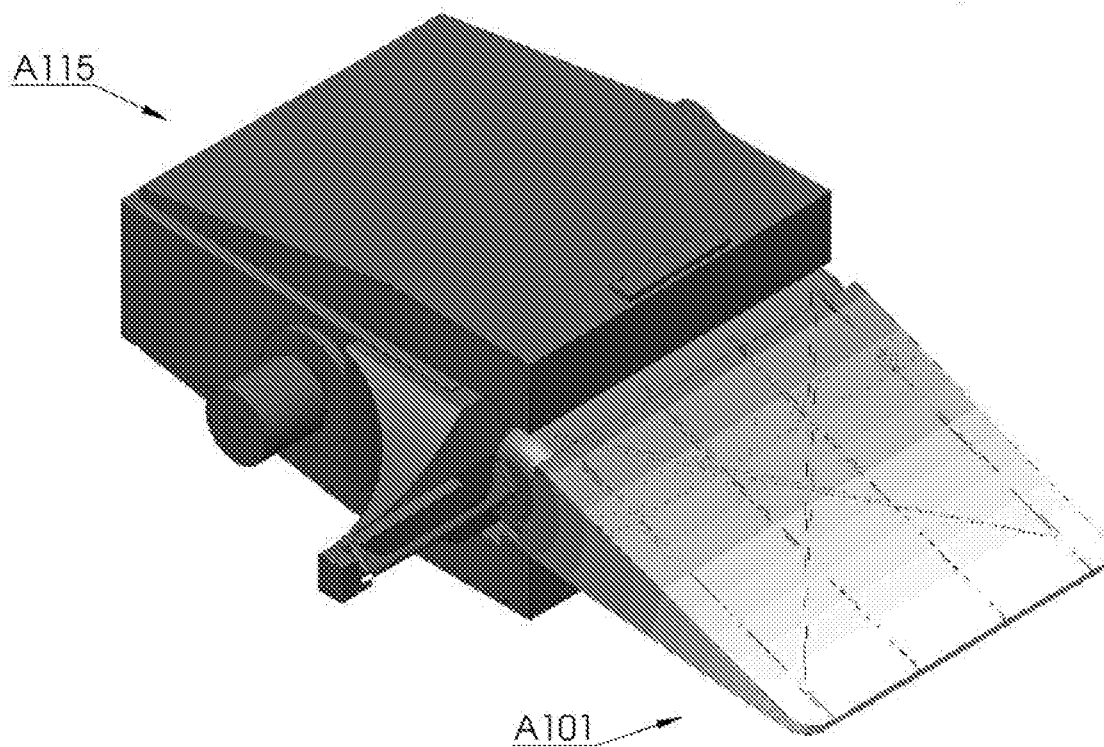
FIG. A13i

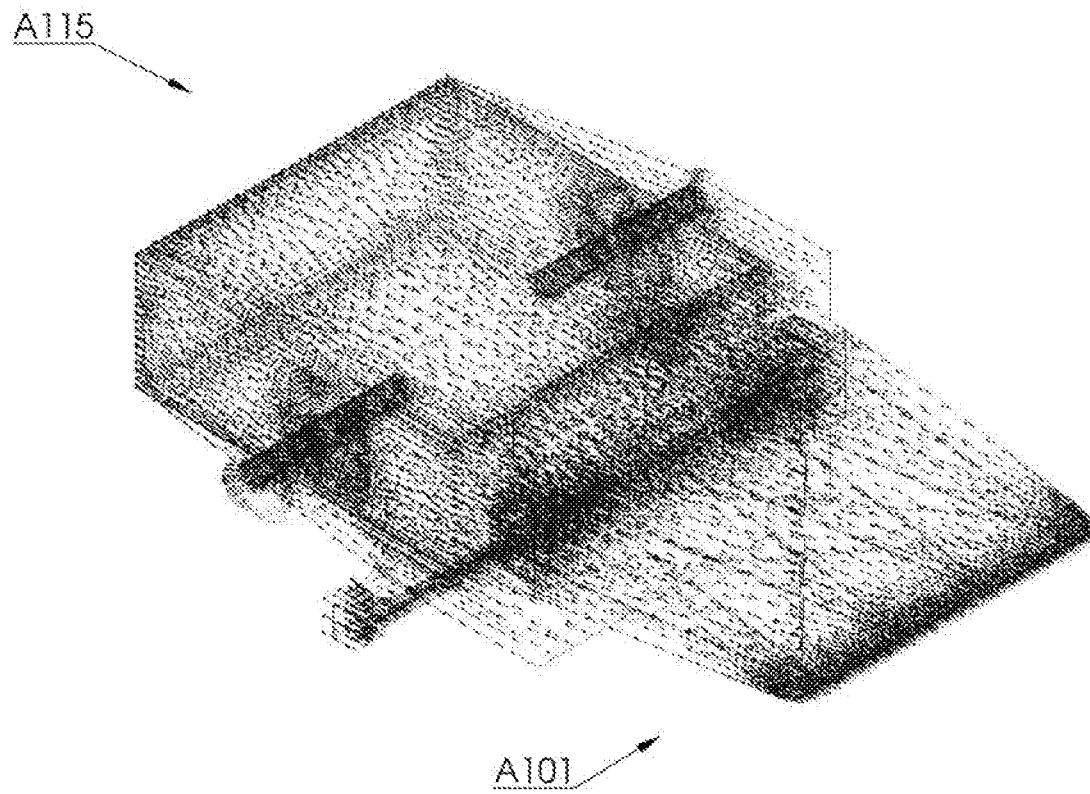
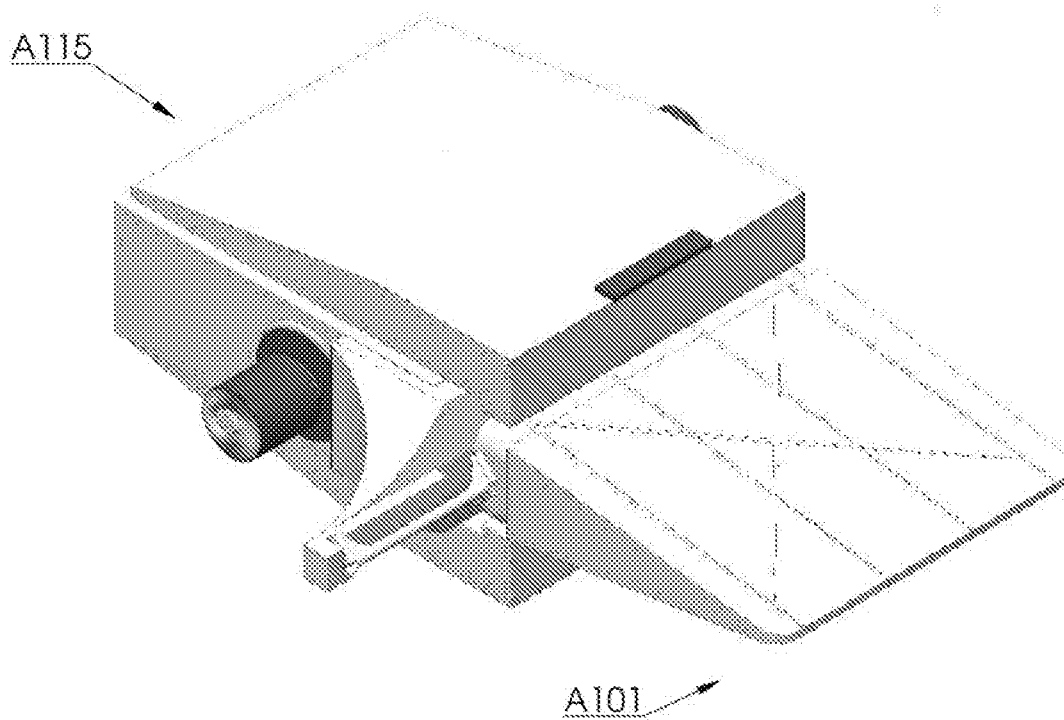
**FIG. A13j****FIG. A13k**

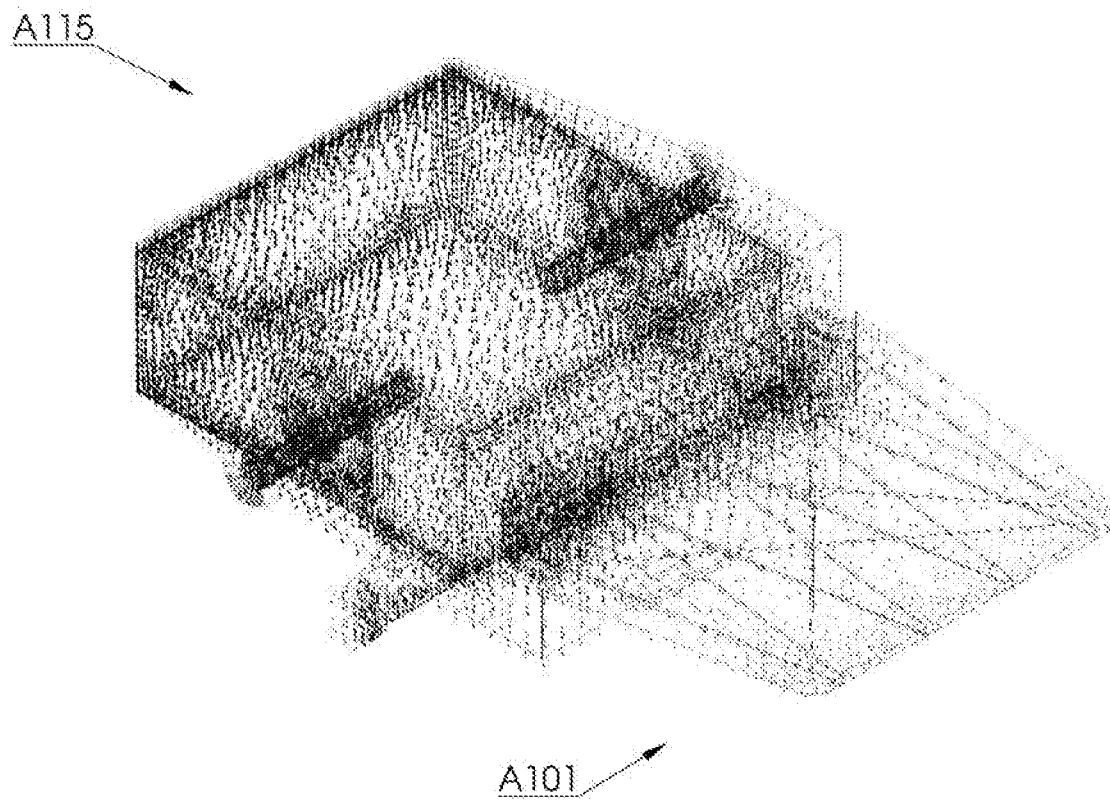
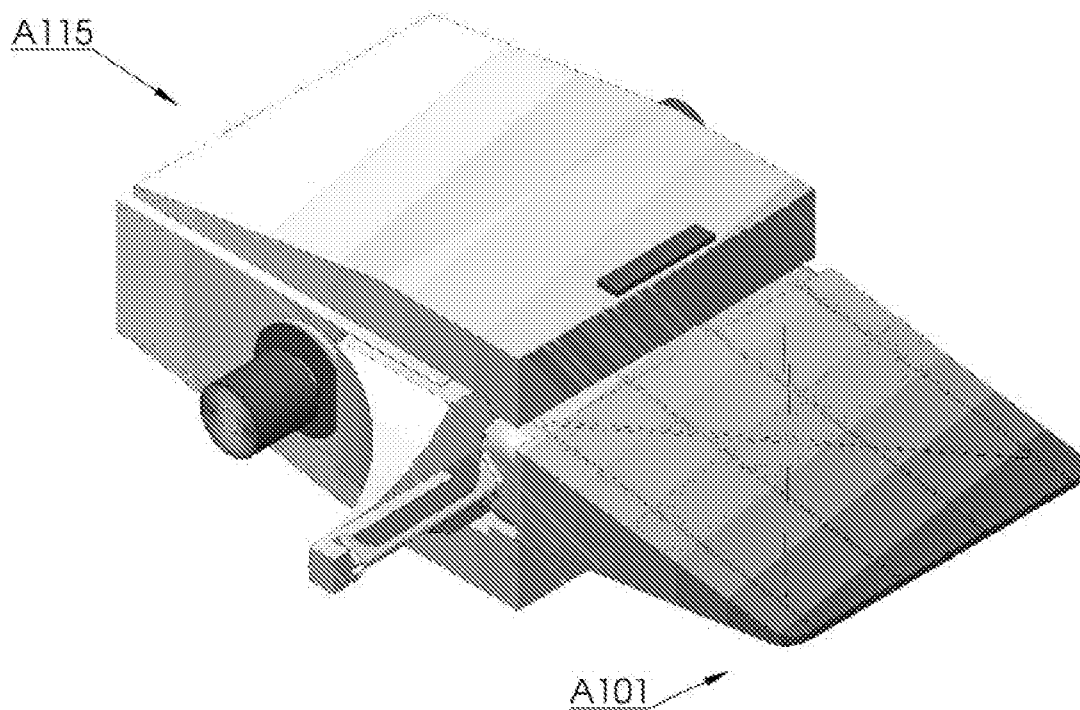
**FIG. A13l****FIG. A13m**



**FIG. A14c****FIG. A14d**

**FIG. A14e****FIG. A14f**

**FIG. A14g****FIG. A14h**

**FIG. A14i****FIG. A14j**

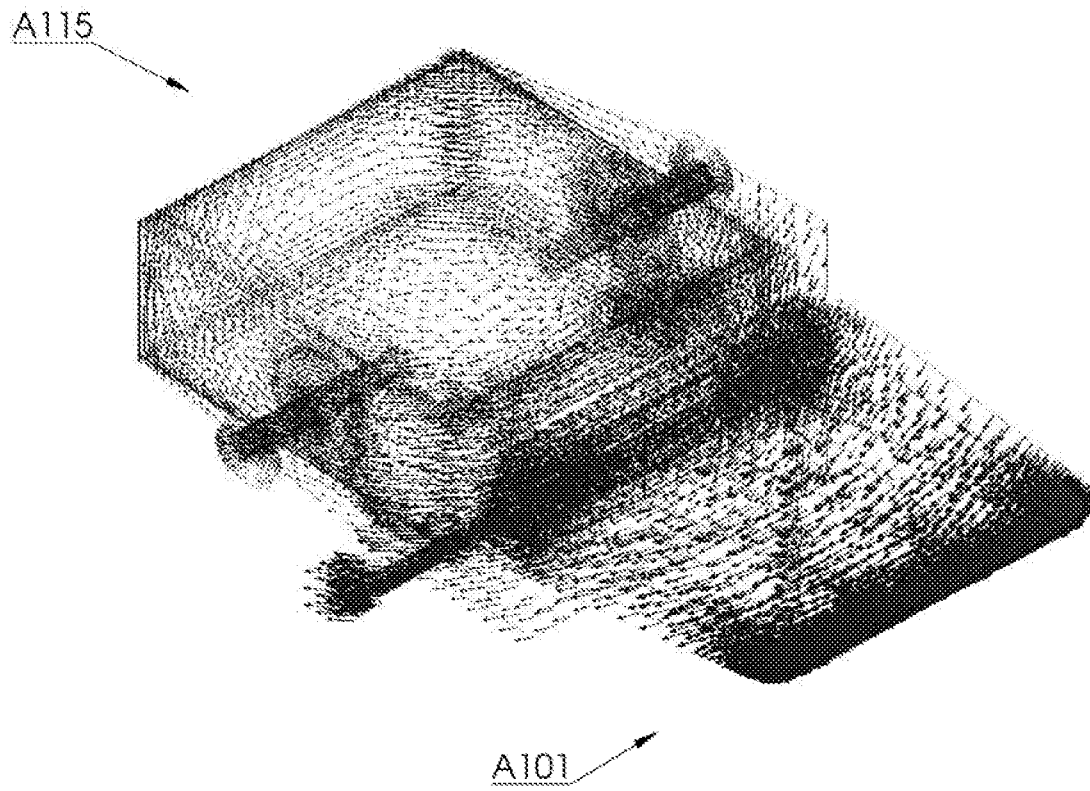


FIG. A14k

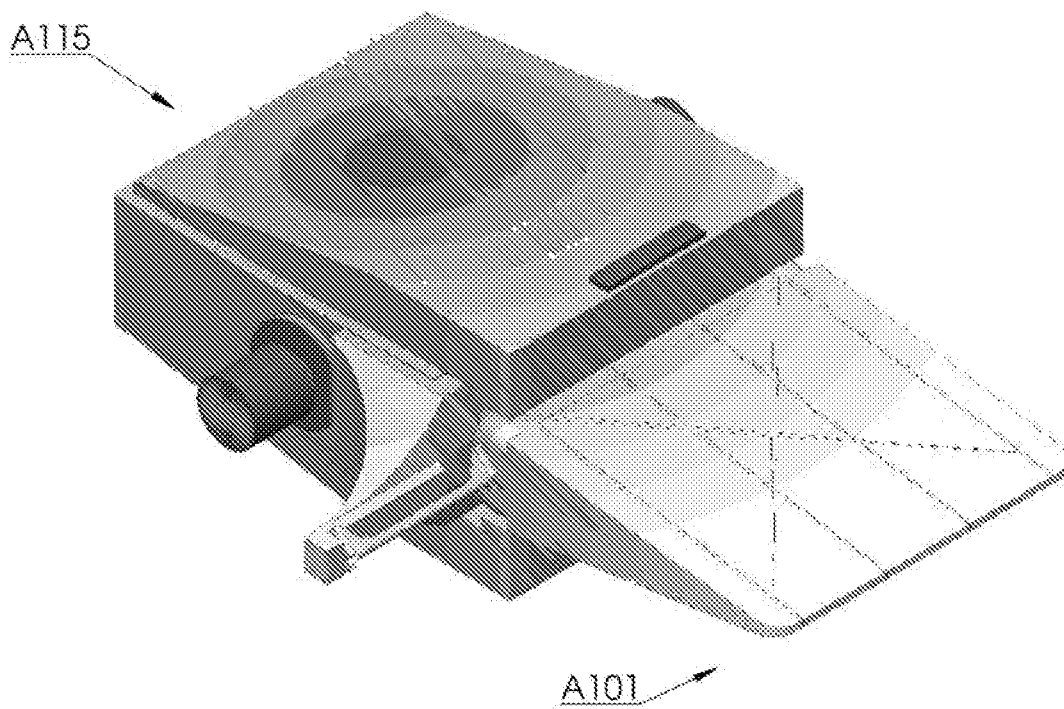
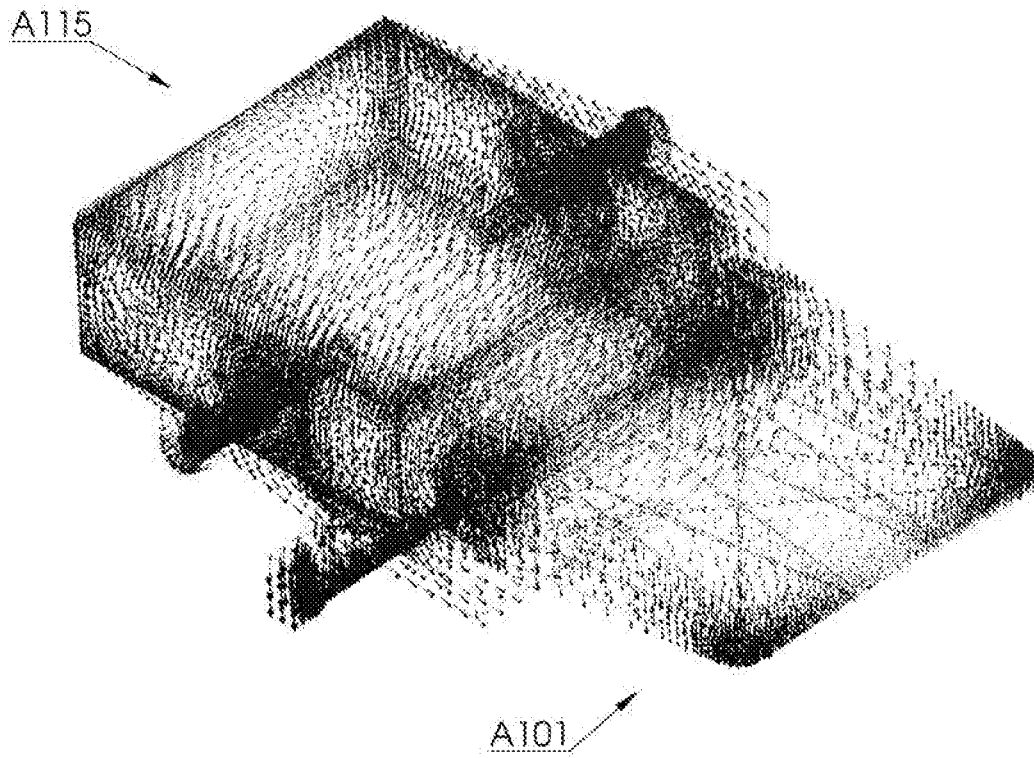
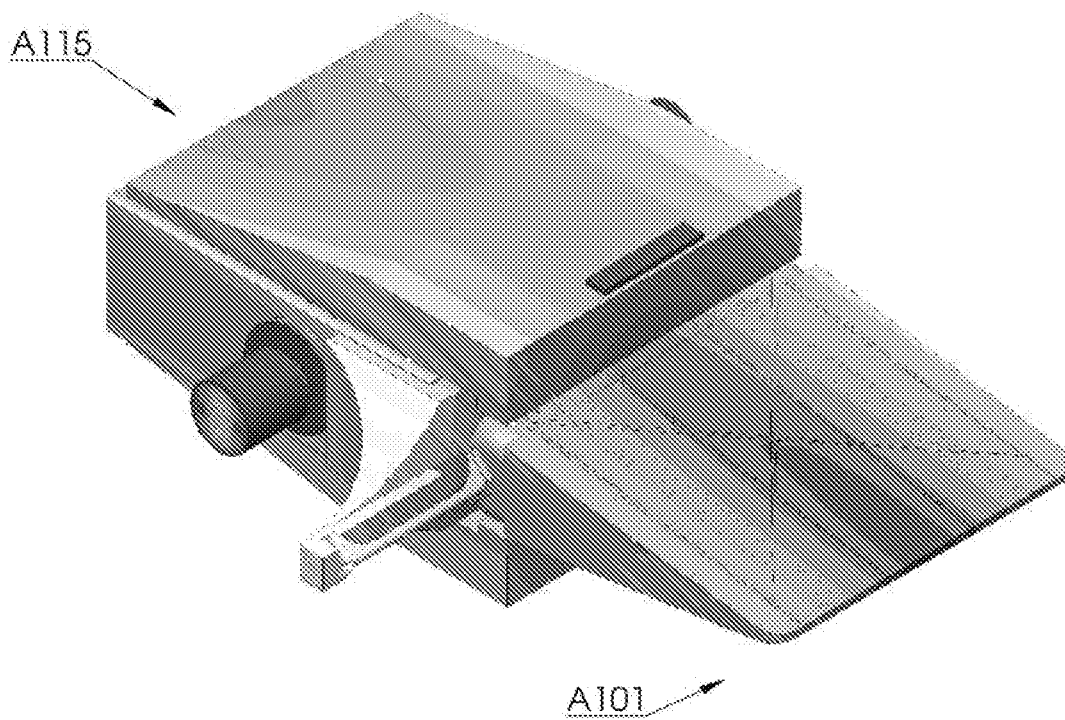
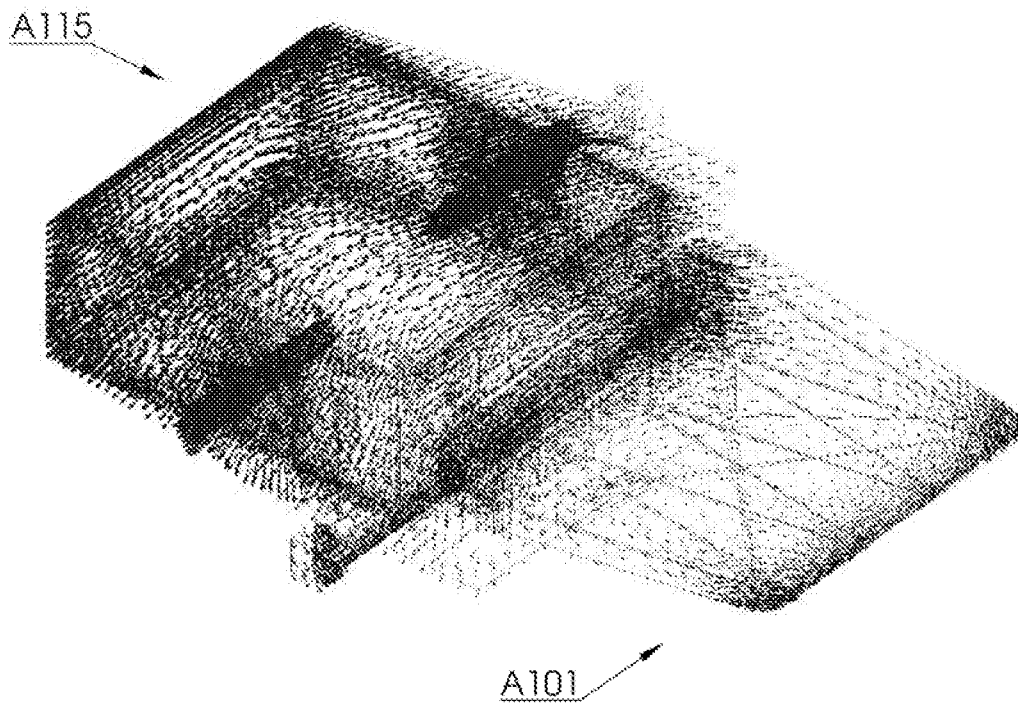
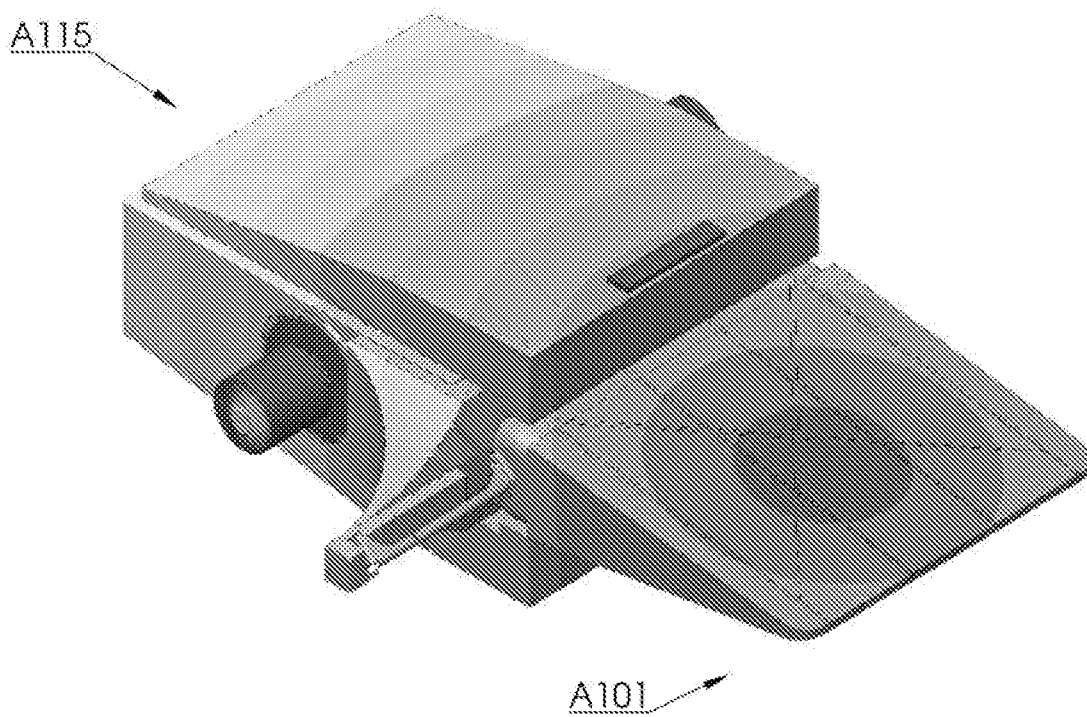
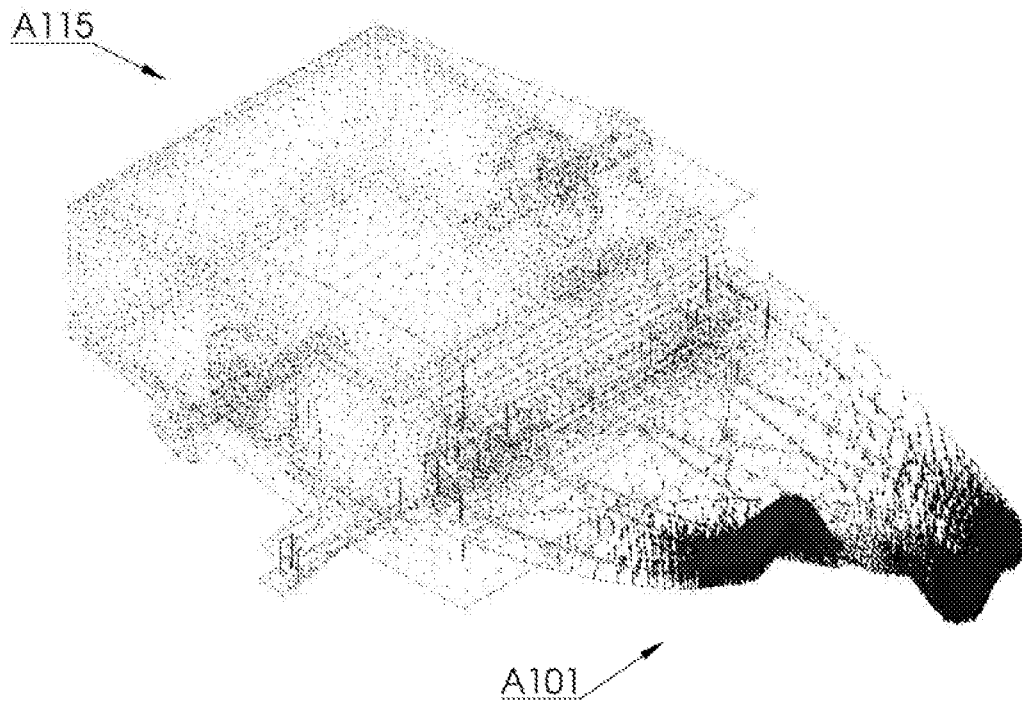
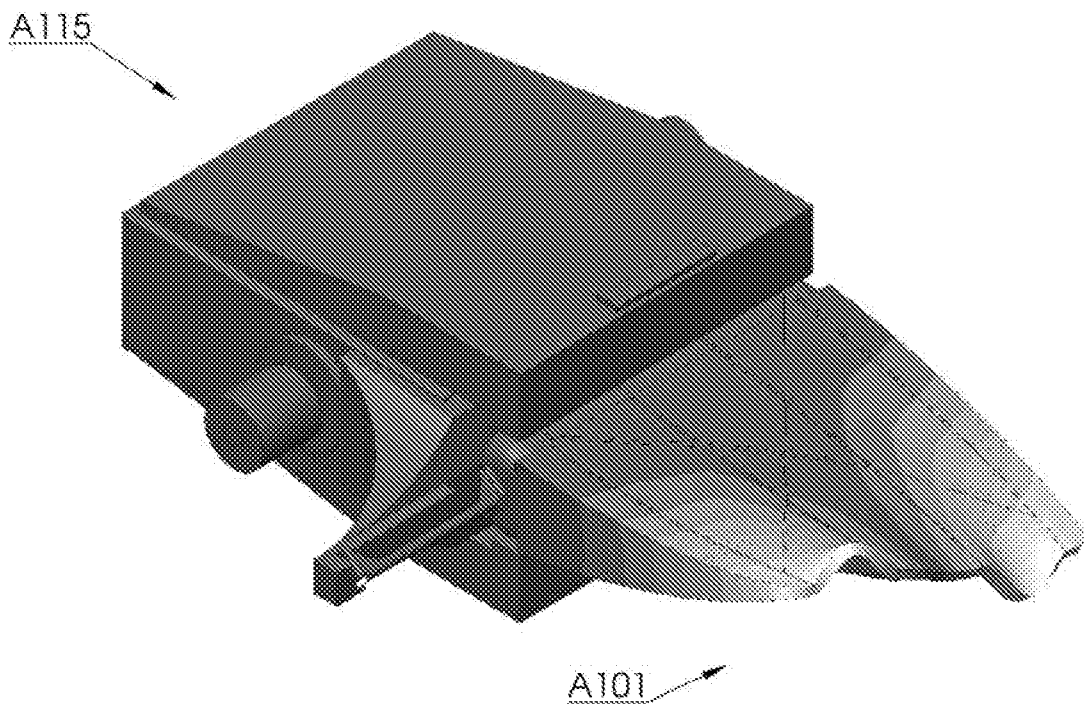


FIG. A14l

**FIG. A14m****FIG. A14n**

**FIG. A14o****FIG. A14p**

**FIG. A14q****FIG. A14r**

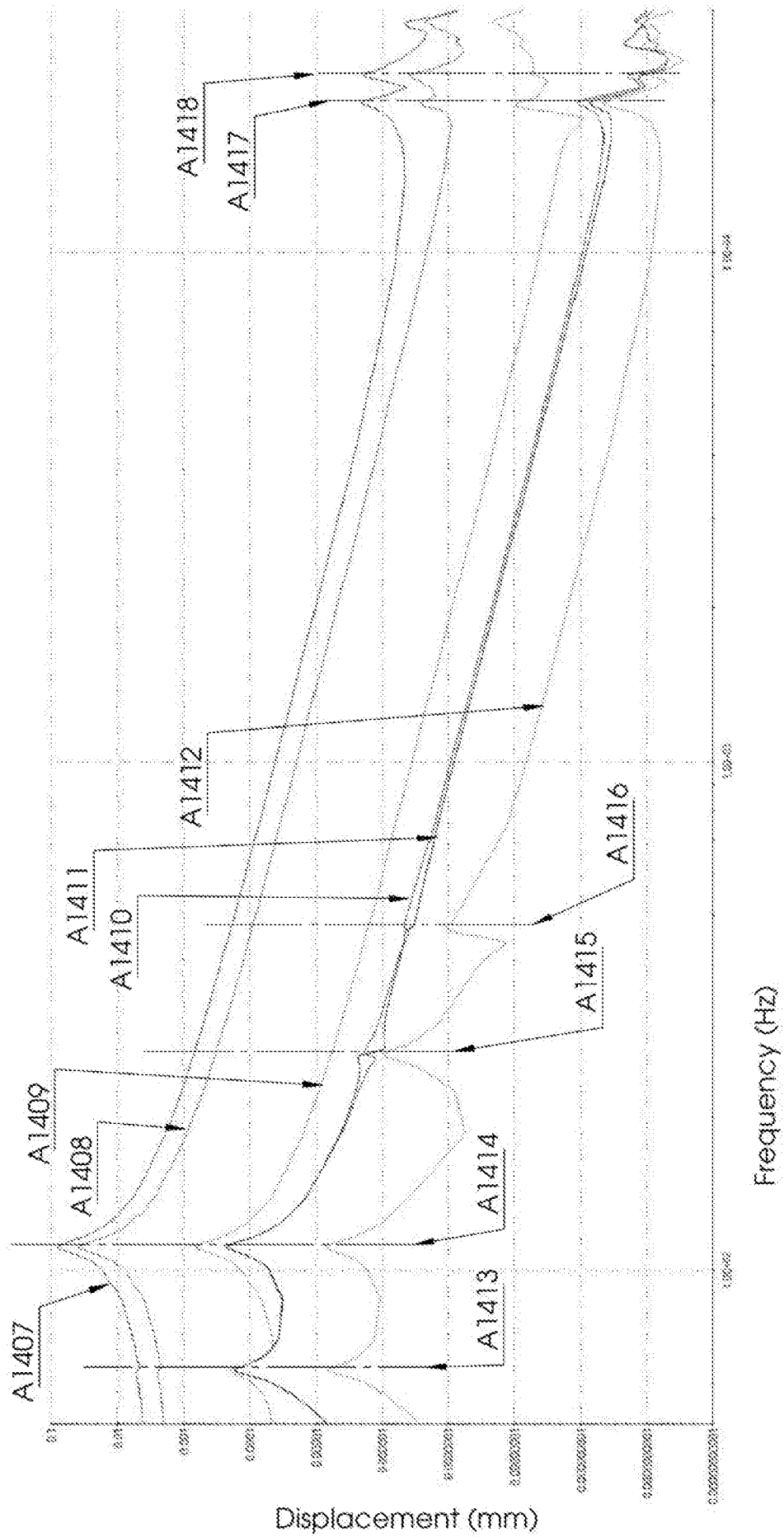


FIG. A14s

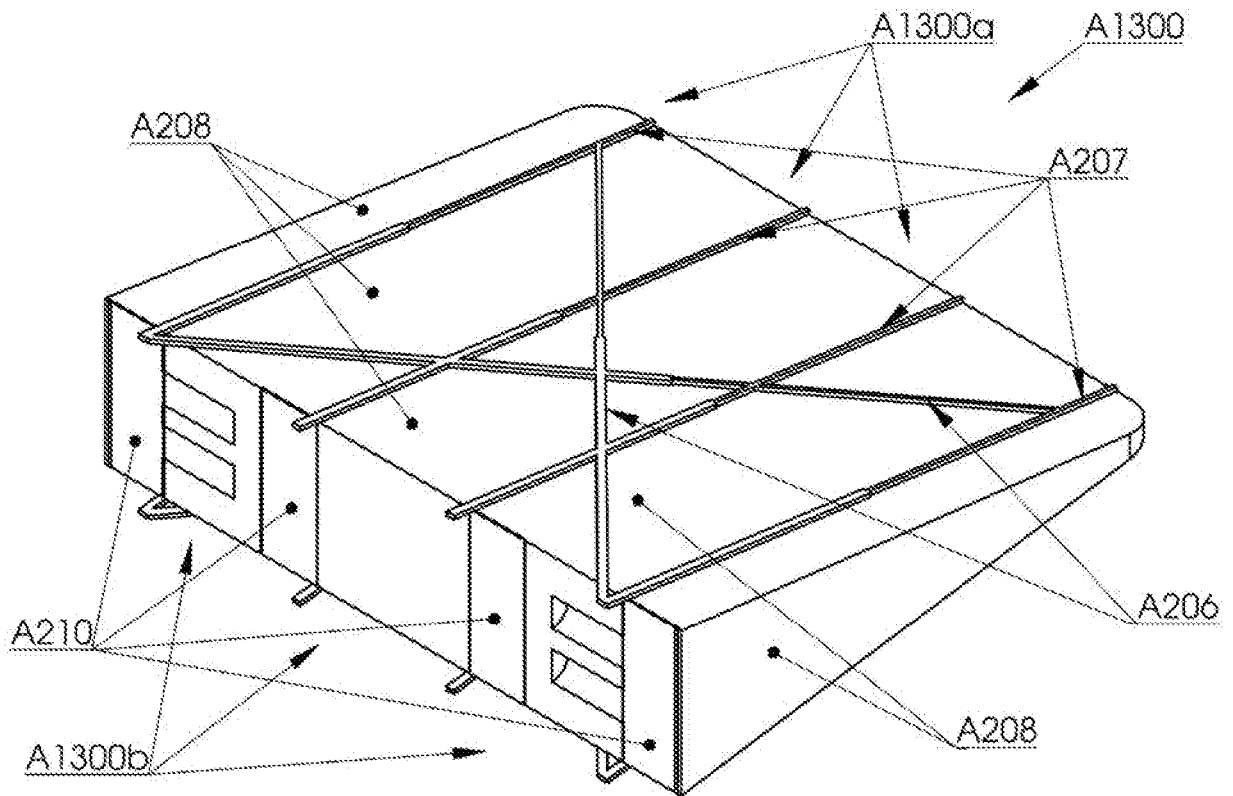


FIG. A15a

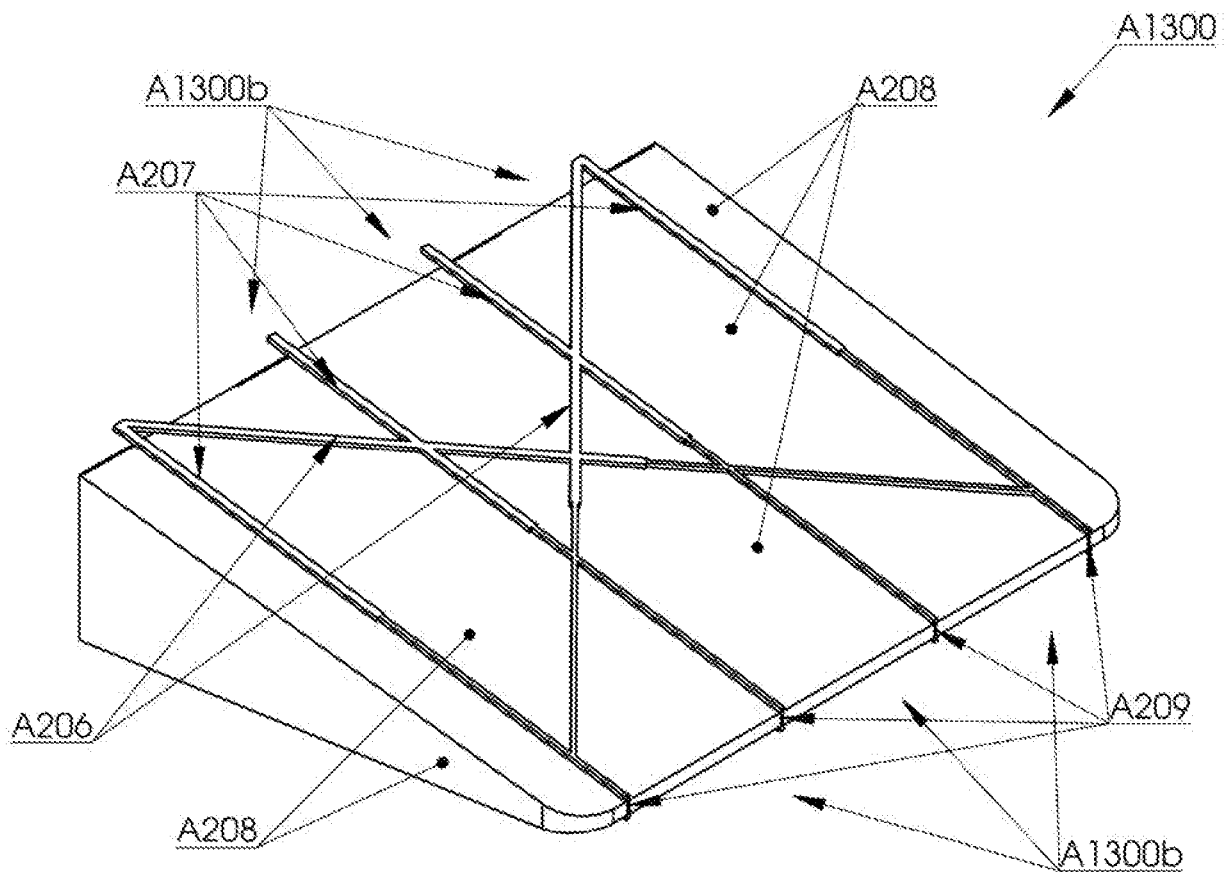


FIG. A15b

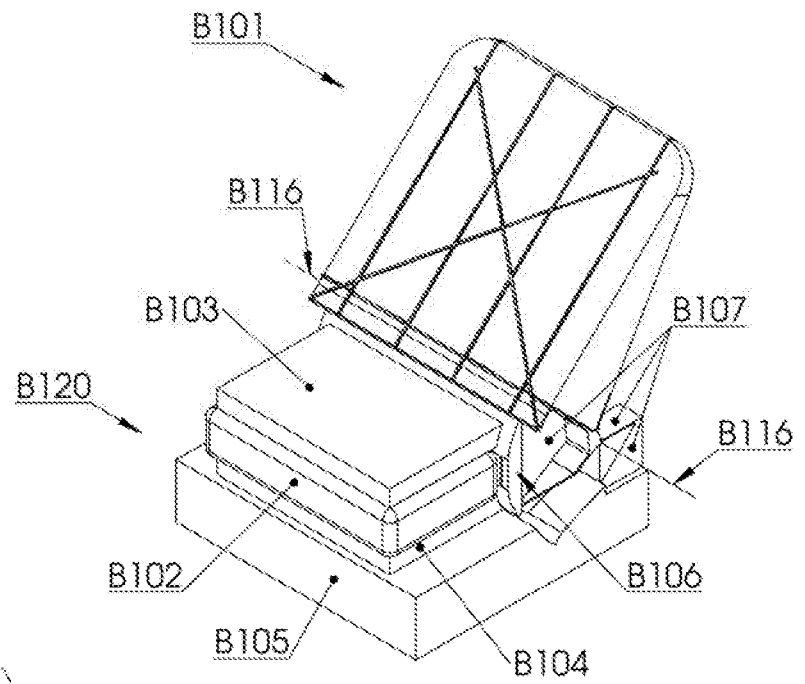


FIG. B1a

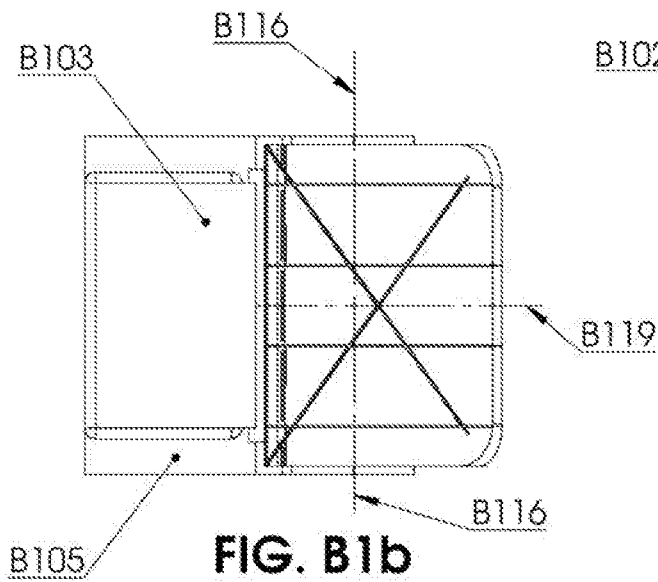


FIG. B1b

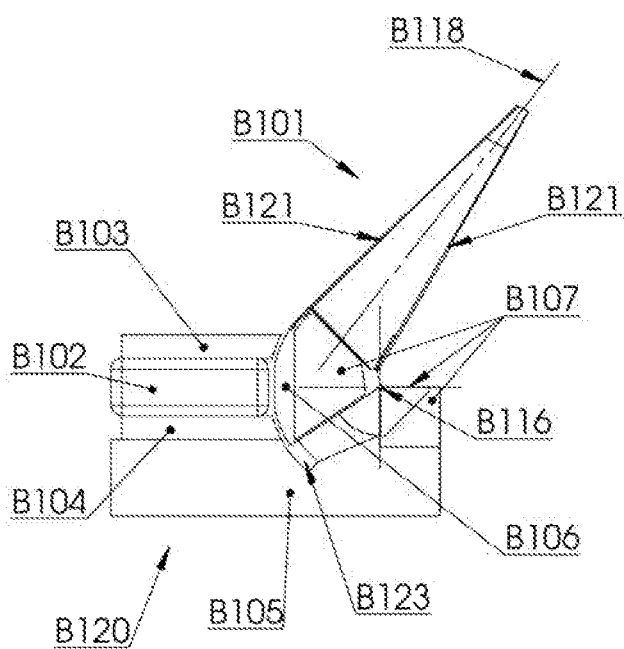


FIG. B1c

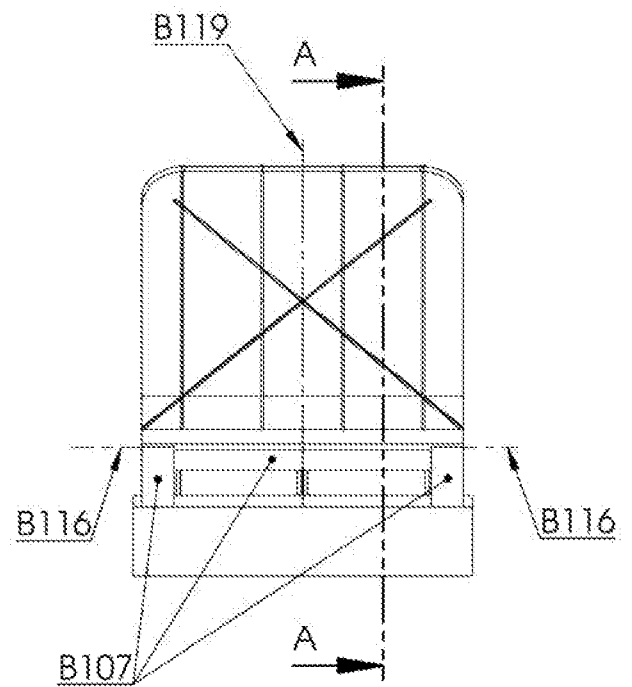
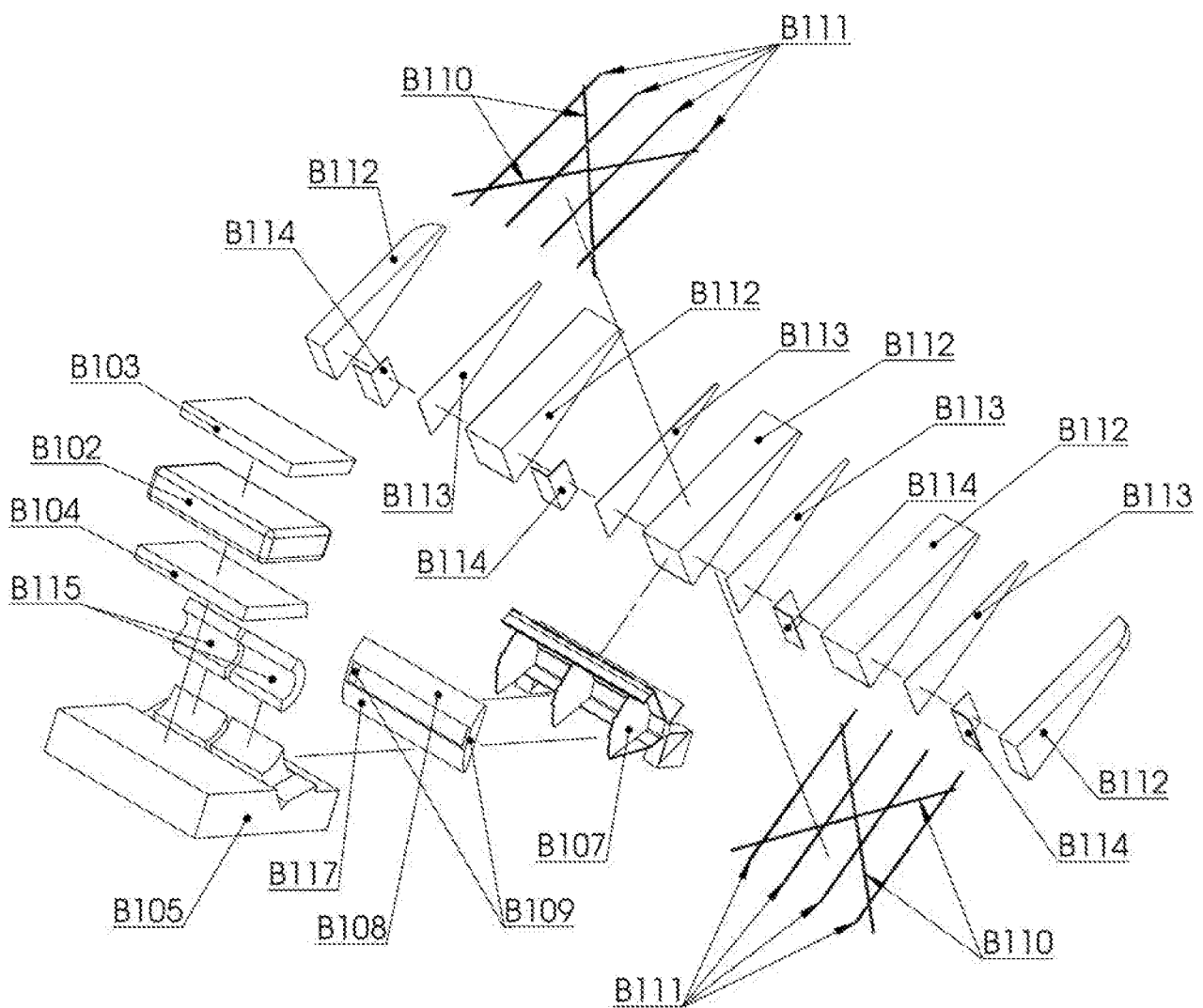
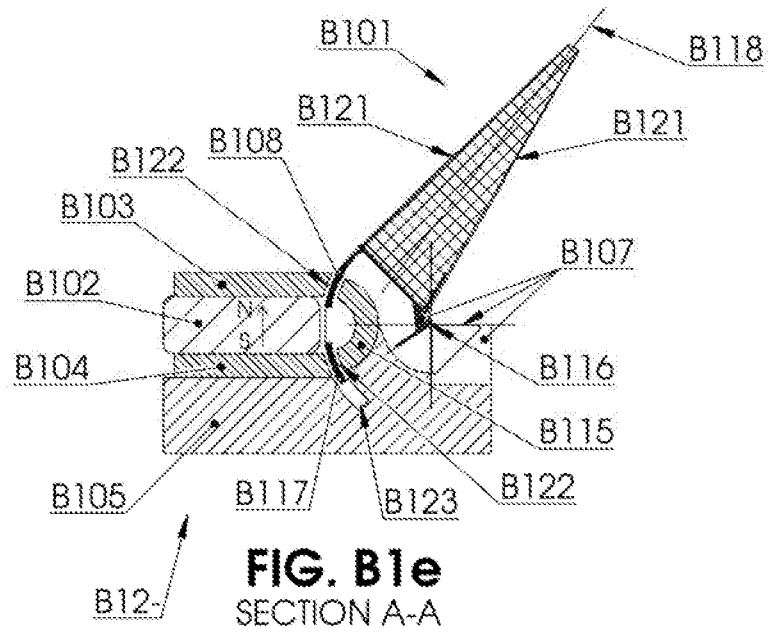
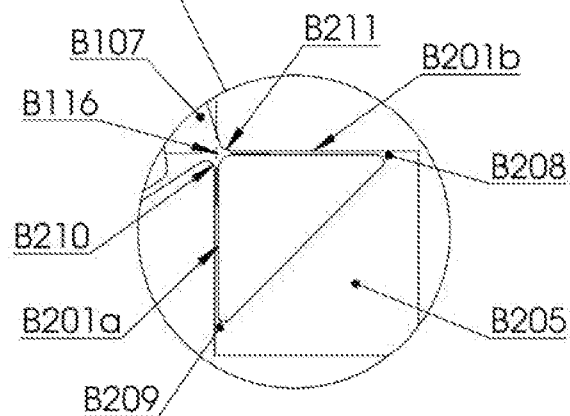
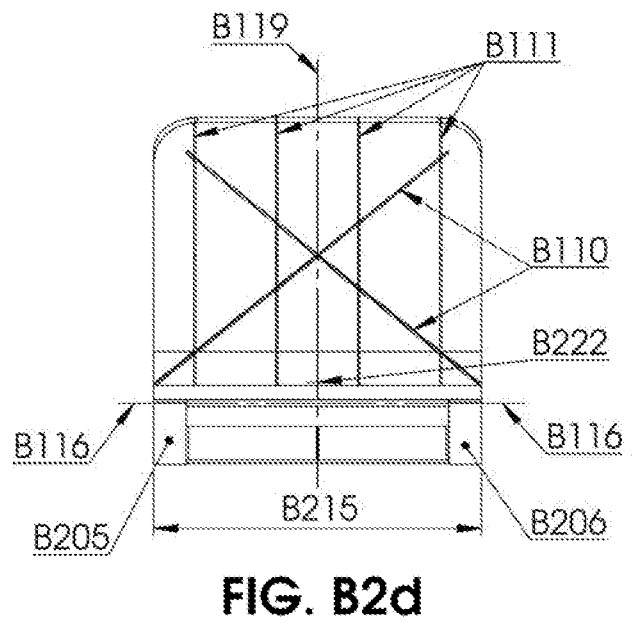
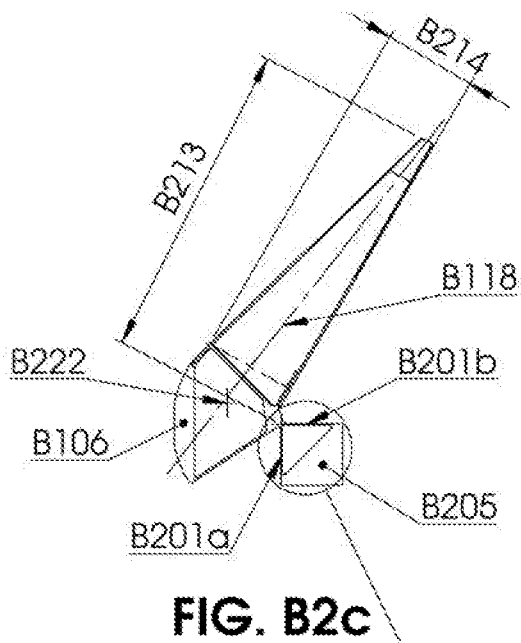
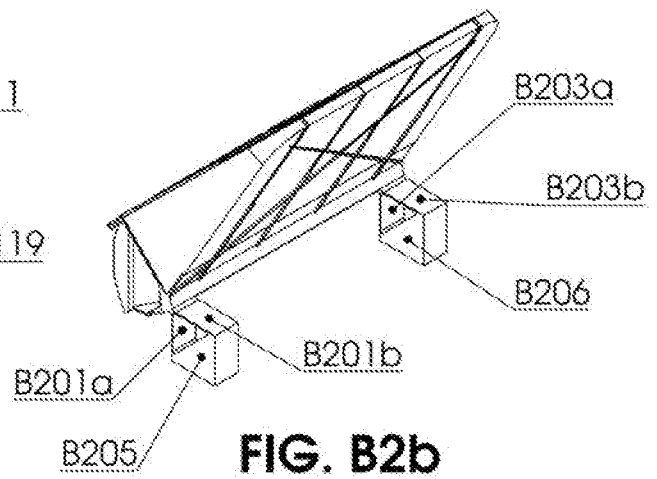
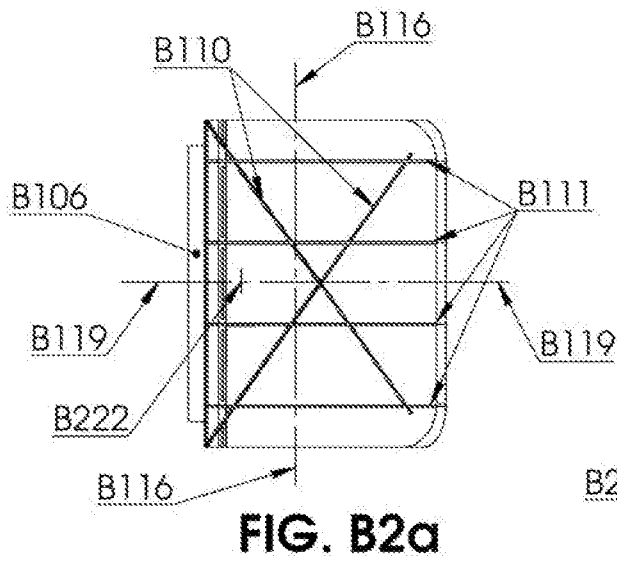
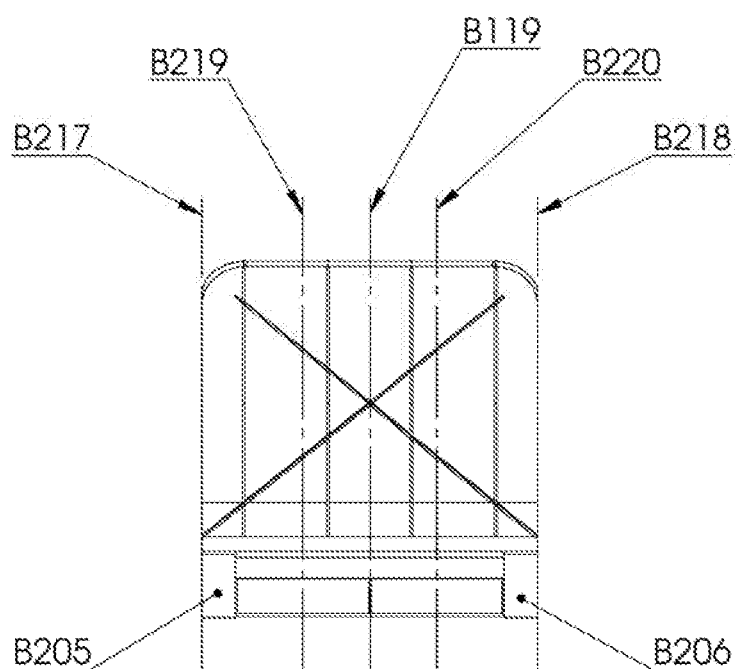
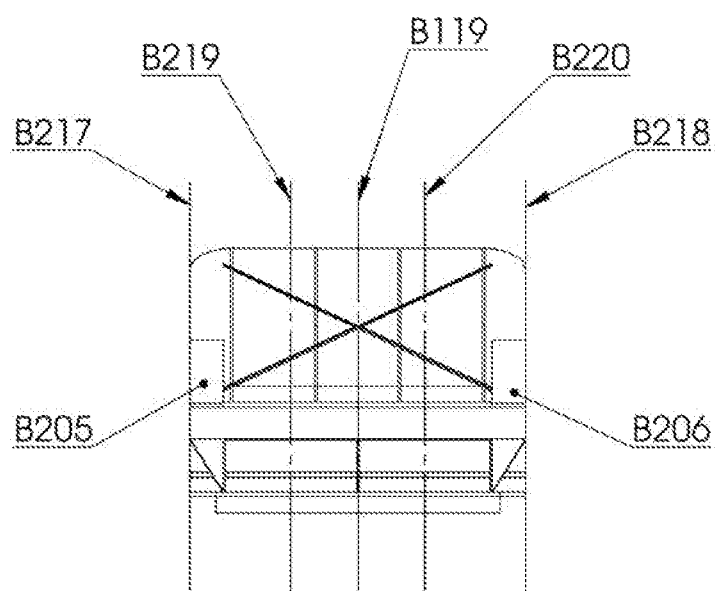


FIG. B1d





**FIG. B2f****FIG. B2g**

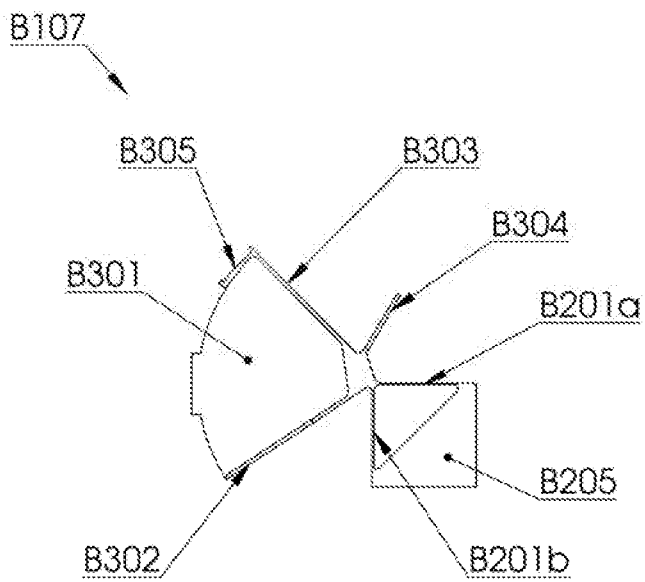


FIG. B3a

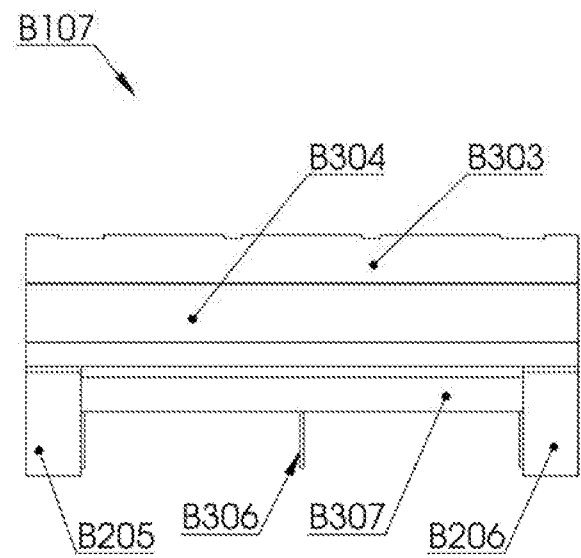


FIG. B3b

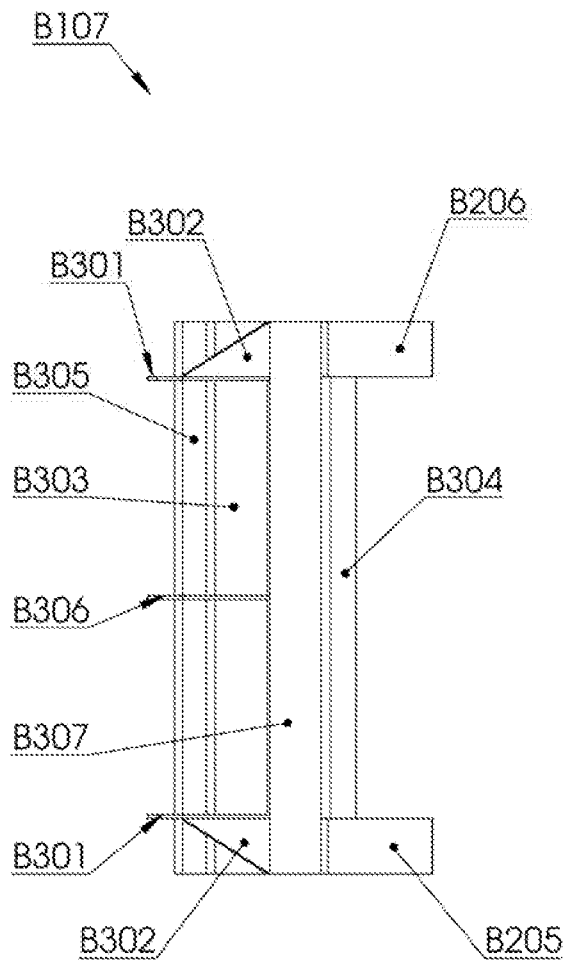


FIG. B3c

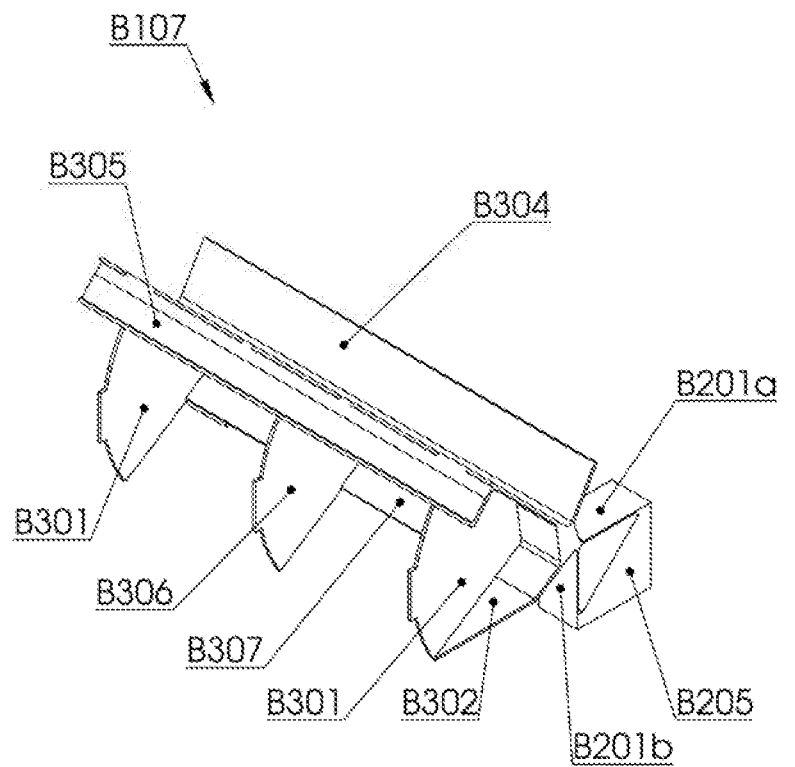
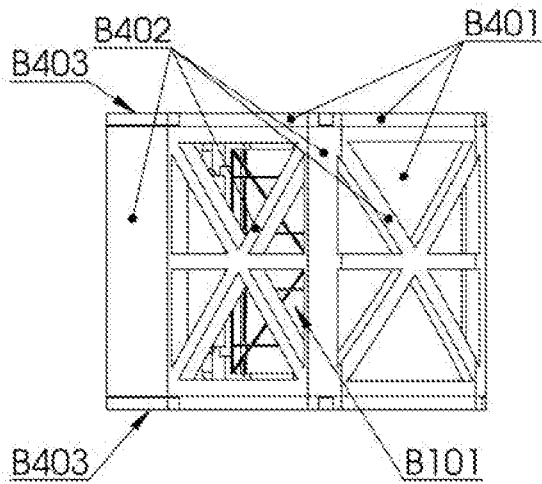
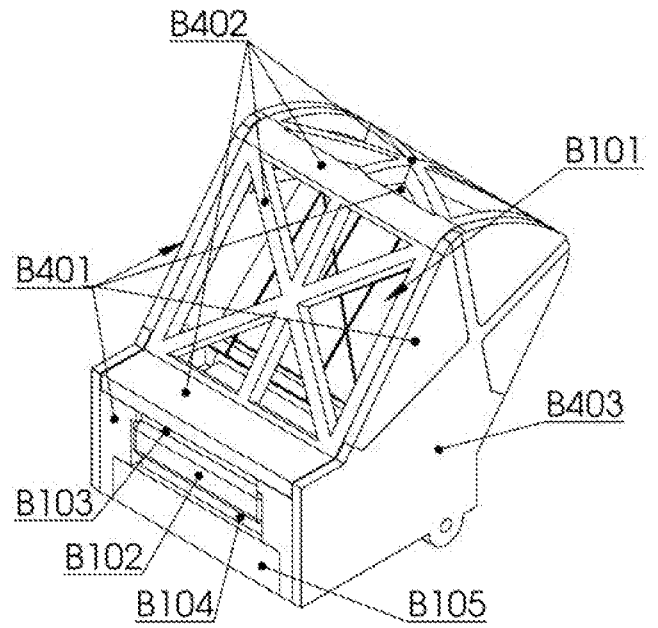
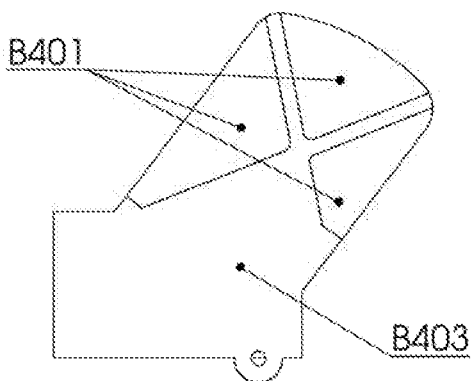
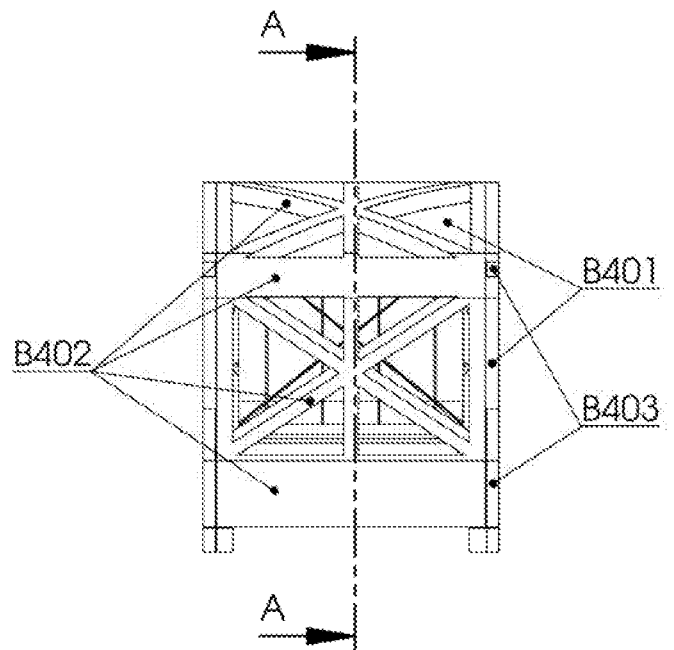
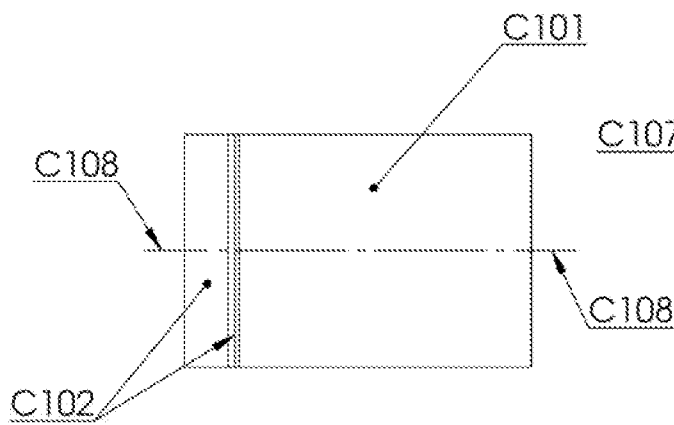
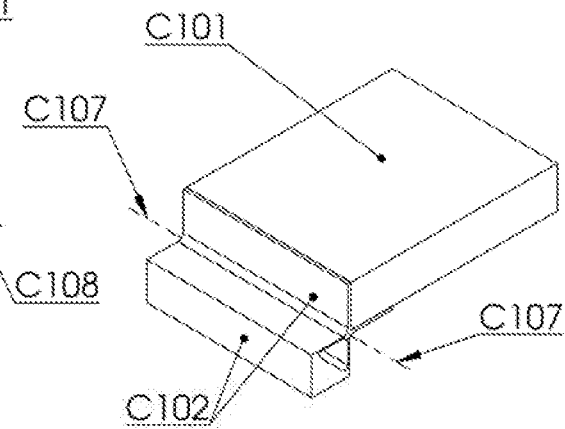
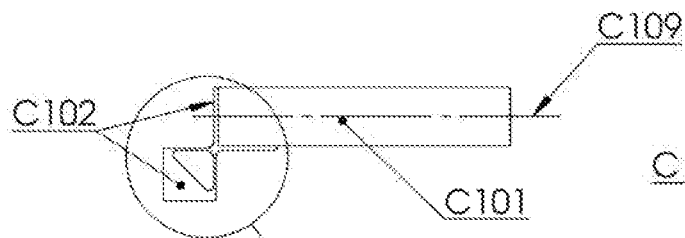
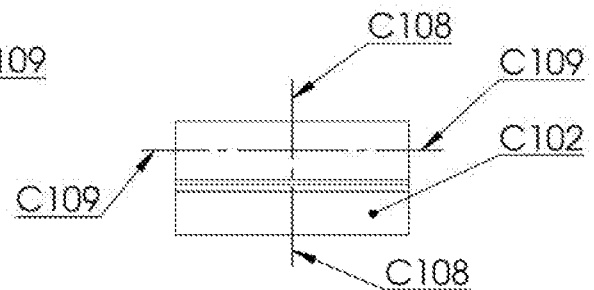
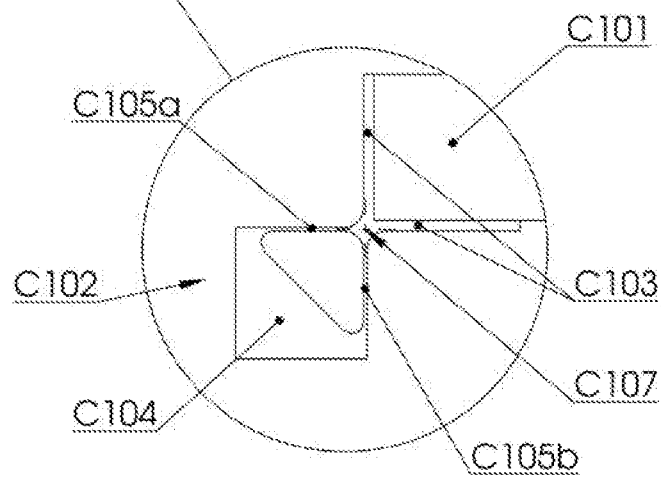


FIG. B3d

**FIG. B4a****FIG. B4b****FIG. B4c****FIG. B4d**



**Fig. C1a****Fig. C1b****Fig. C1c****Fig. C1d****Fig. C1e**

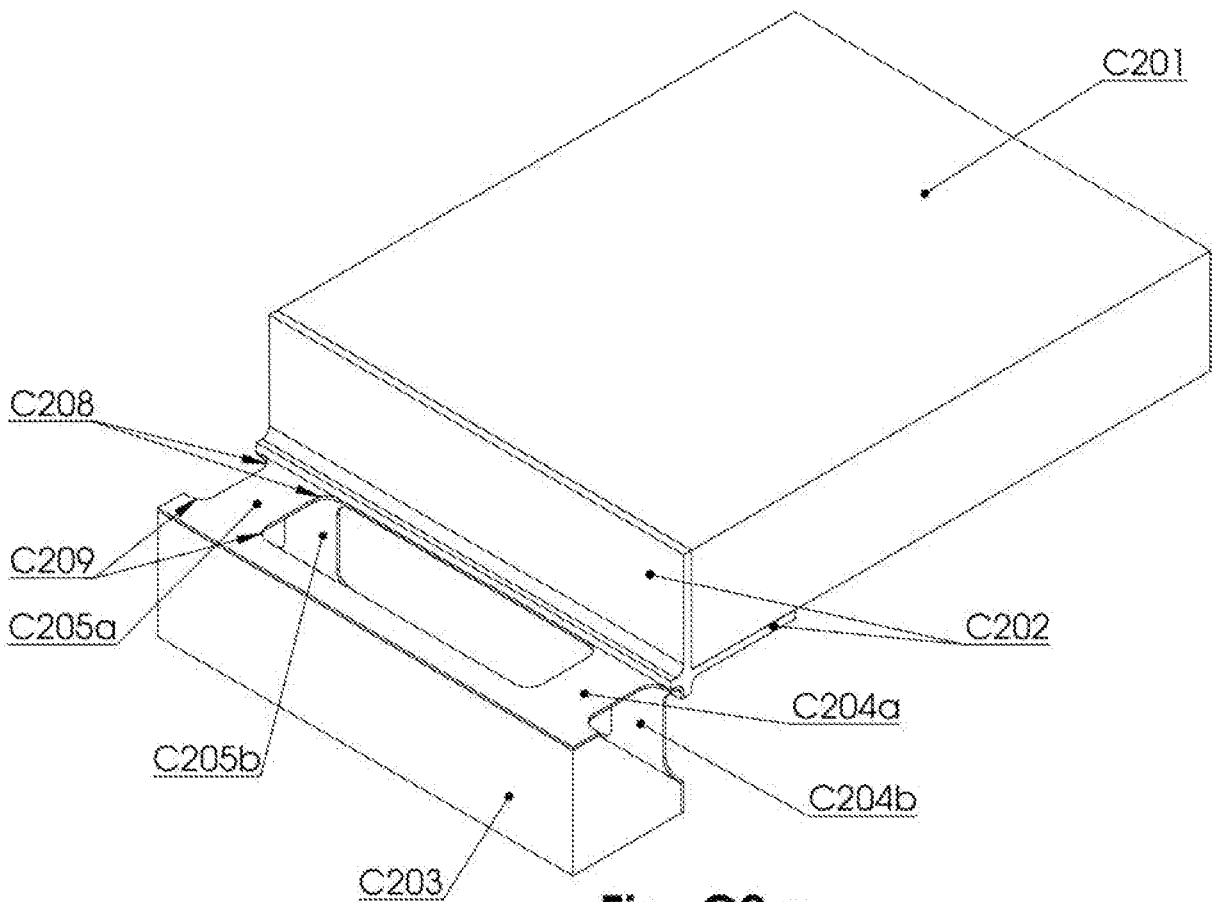


Fig. C2a

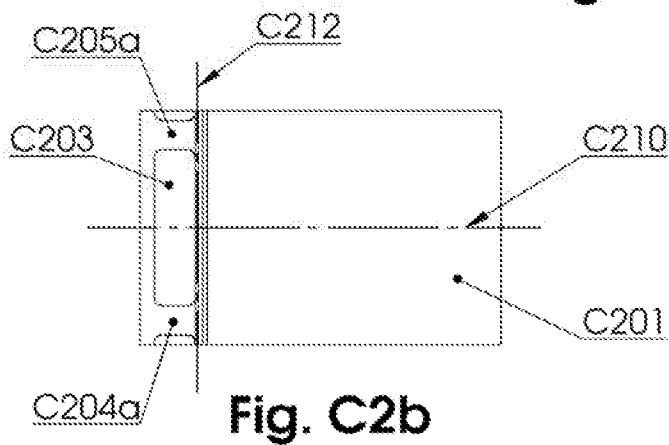


Fig. C2b

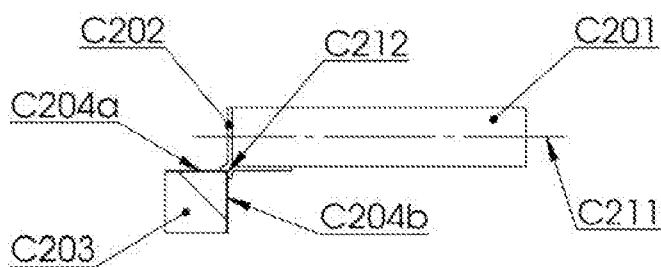


Fig. C2c

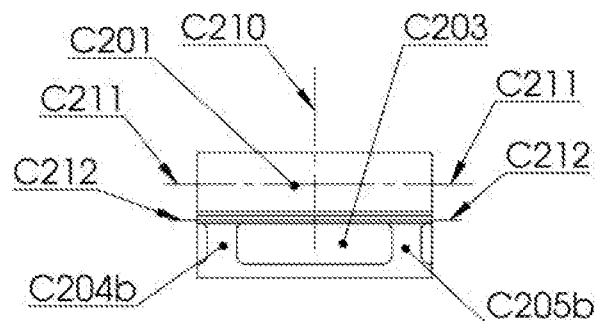
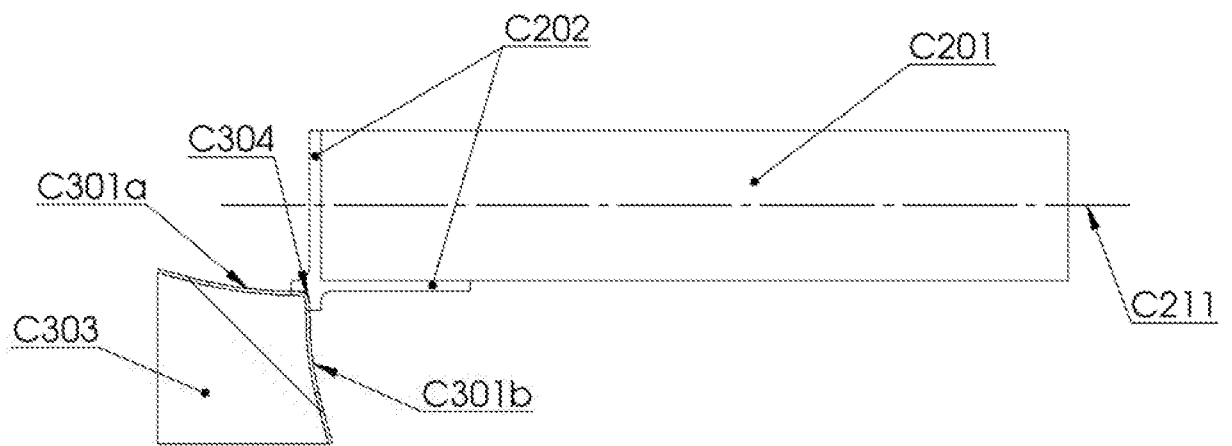
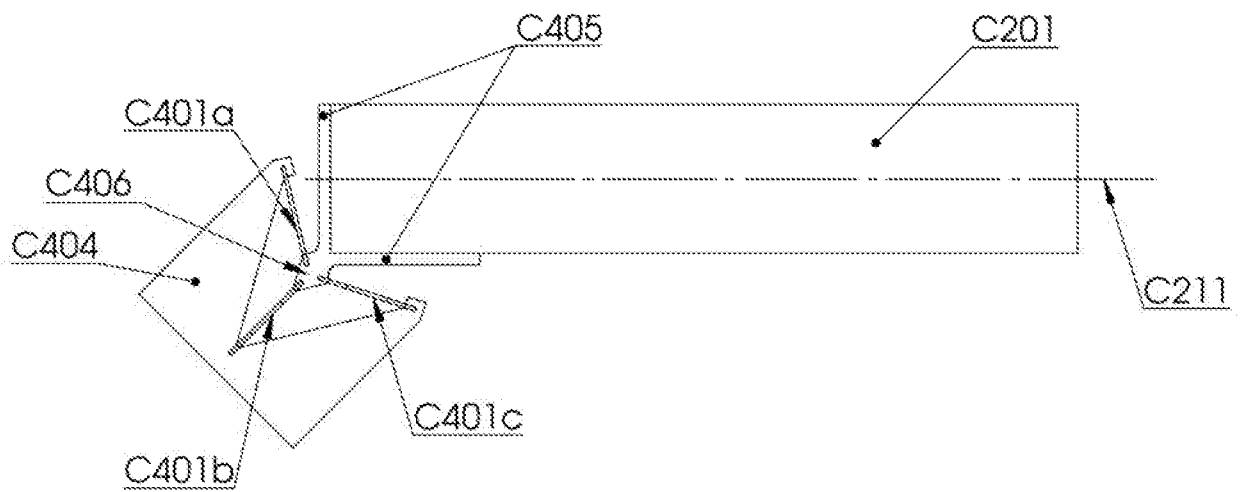


Fig. C2d

**Fig. C3****Fig. C4**

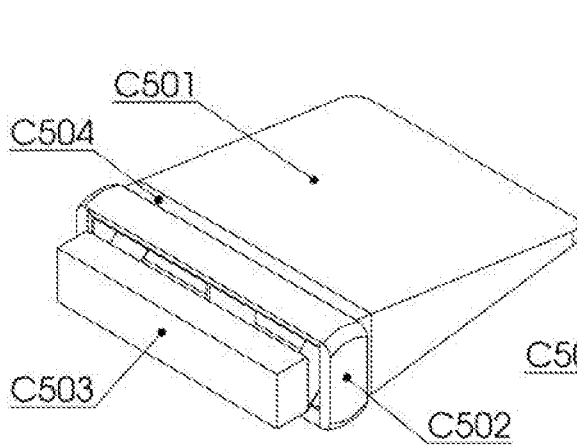


Fig. C5a

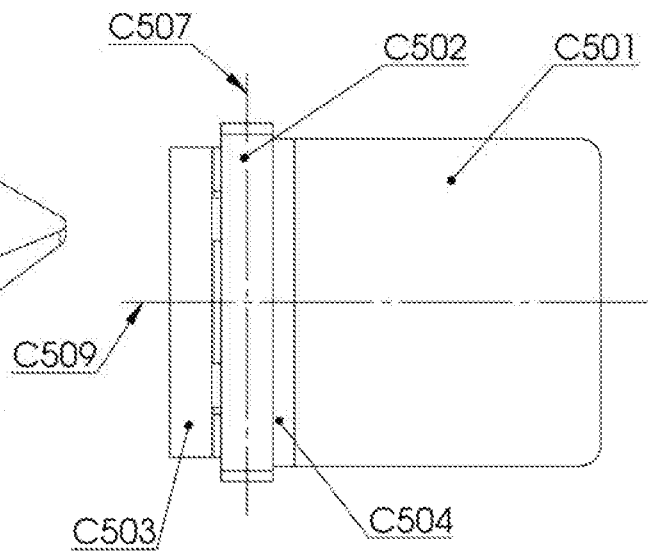


Fig. C5b

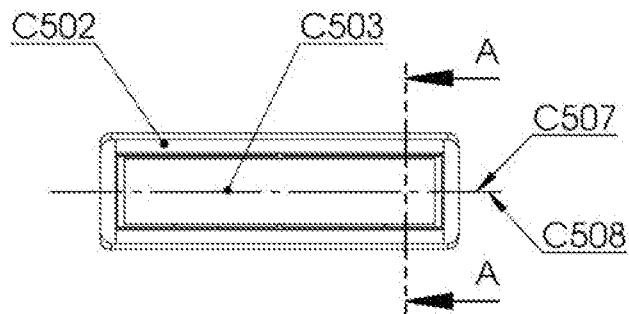


Fig. C5c

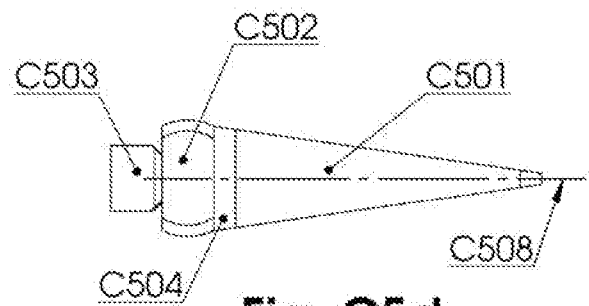


Fig. C5d

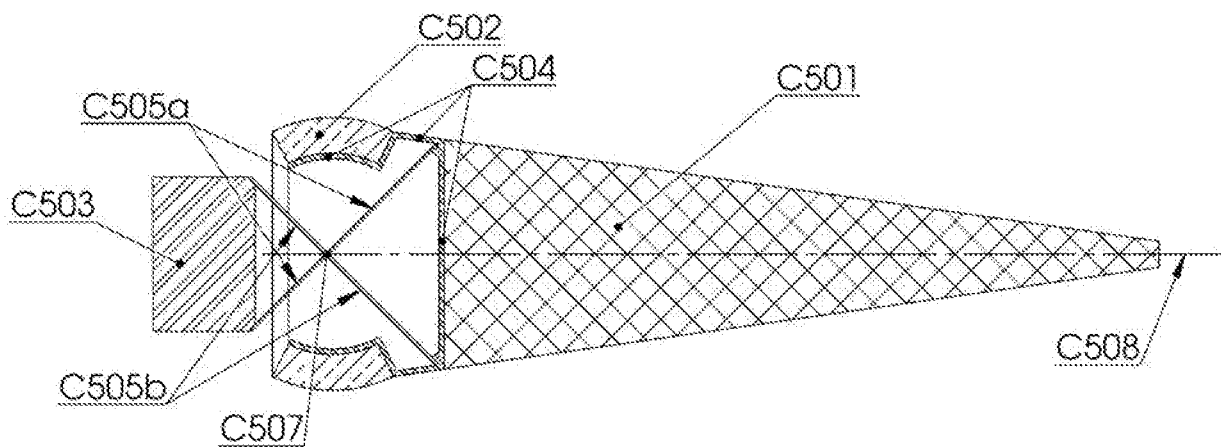


Fig. C5e

SECTION A-A

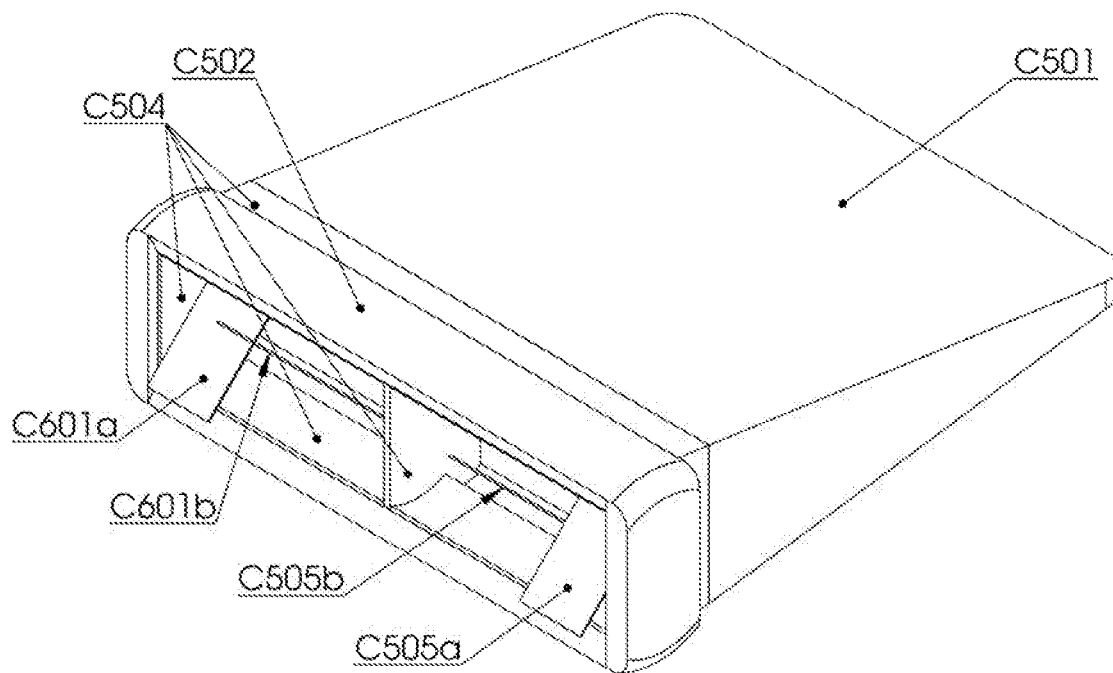


Fig. C6a

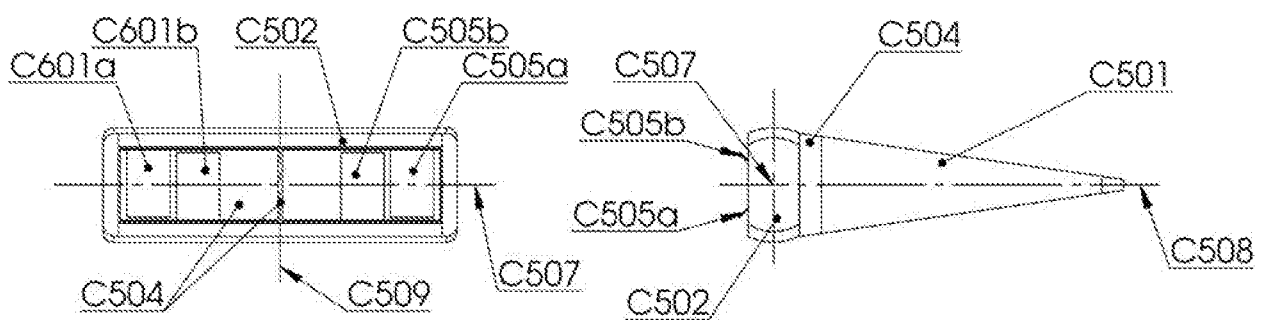


Fig. C6b

Fig. C6c

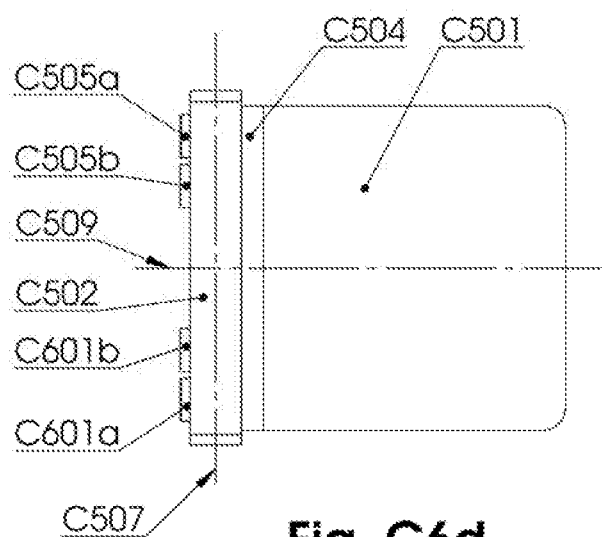
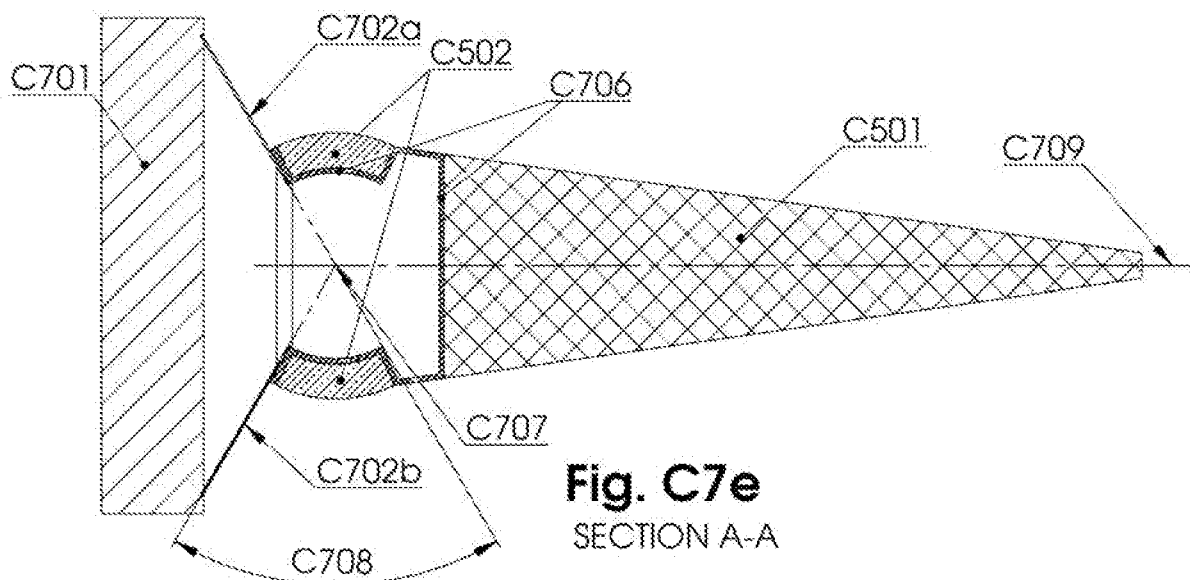
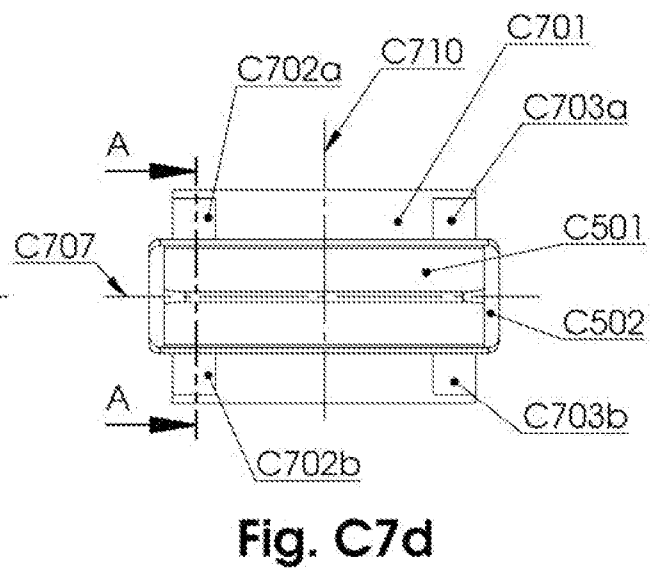
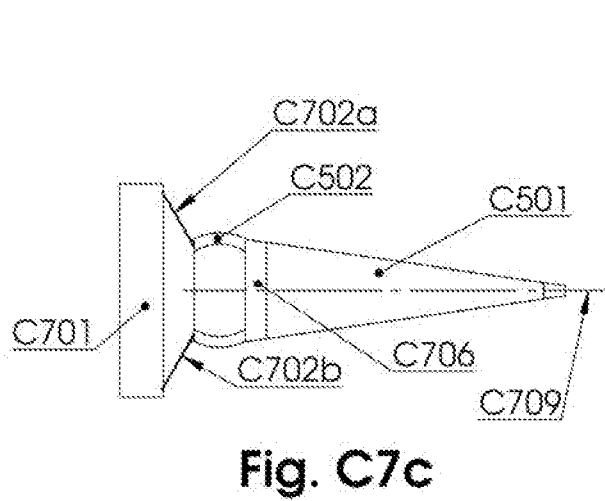
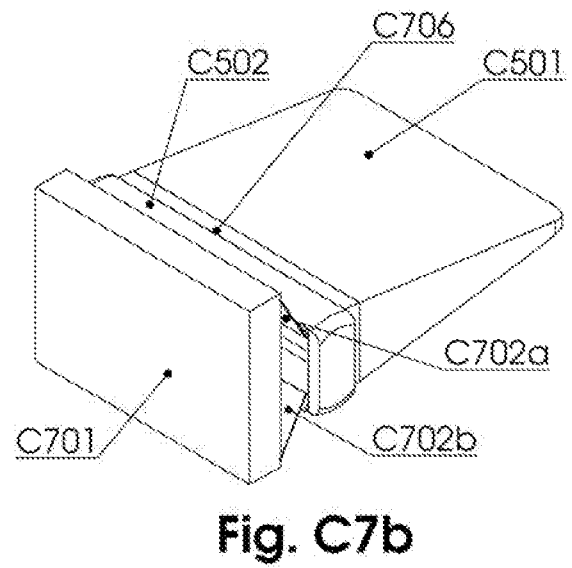
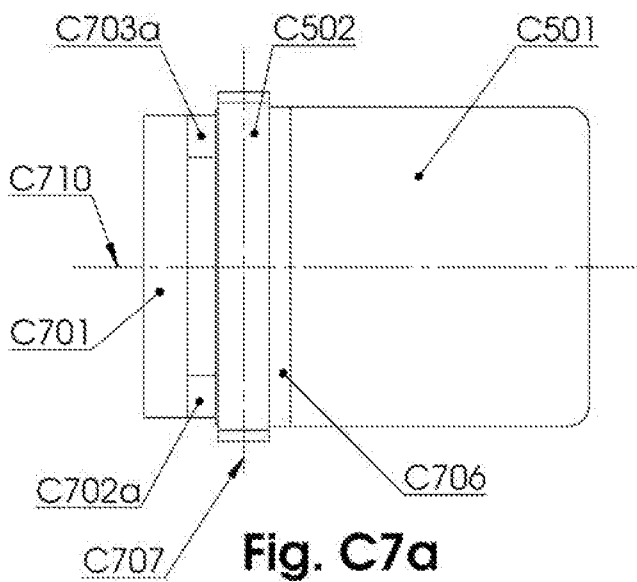
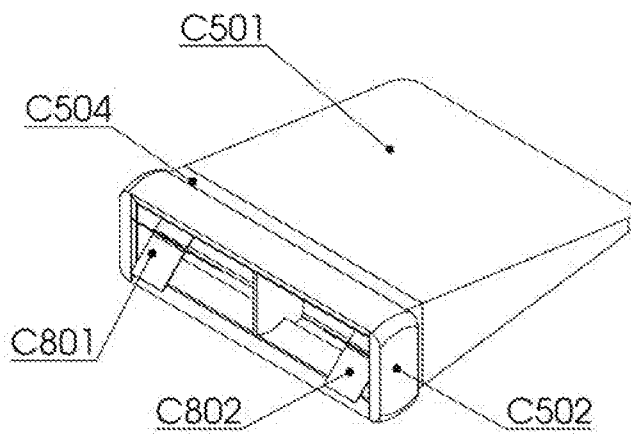
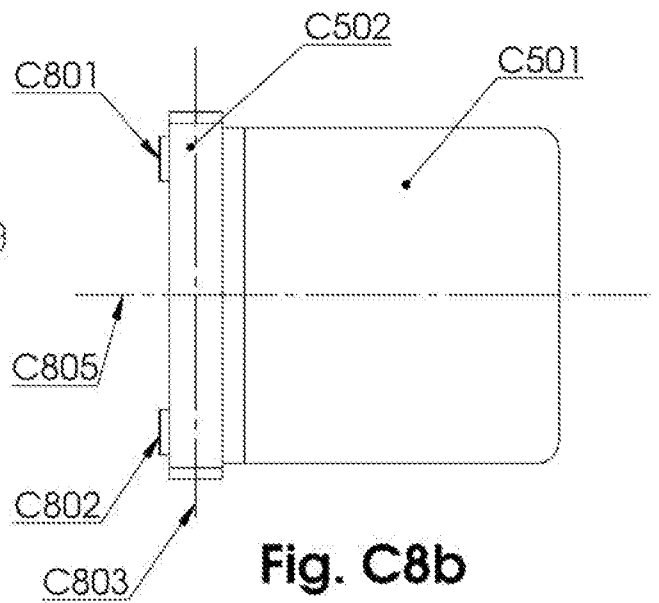
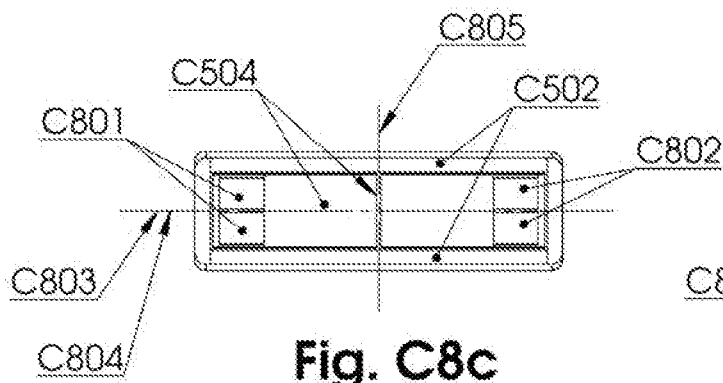
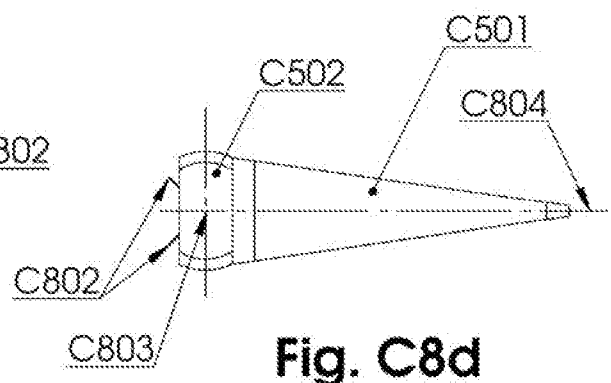
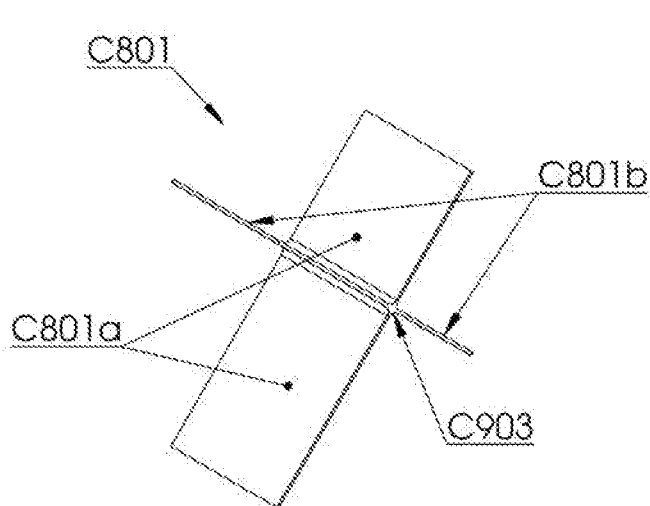
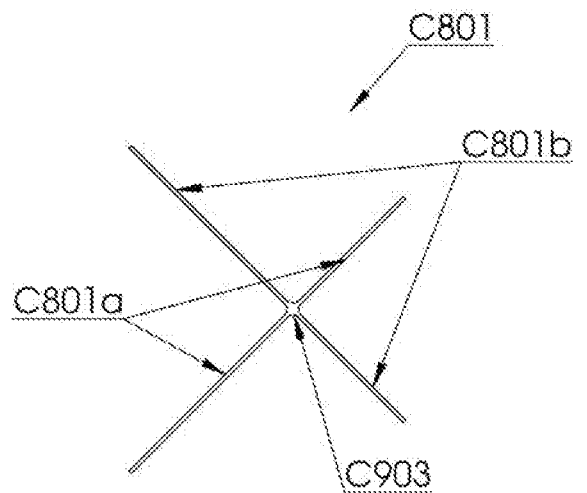


Fig. C6d



**Fig. C8a****Fig. C8b****Fig. C8c****Fig. C8d****Fig. C9a****Fig. C9b**

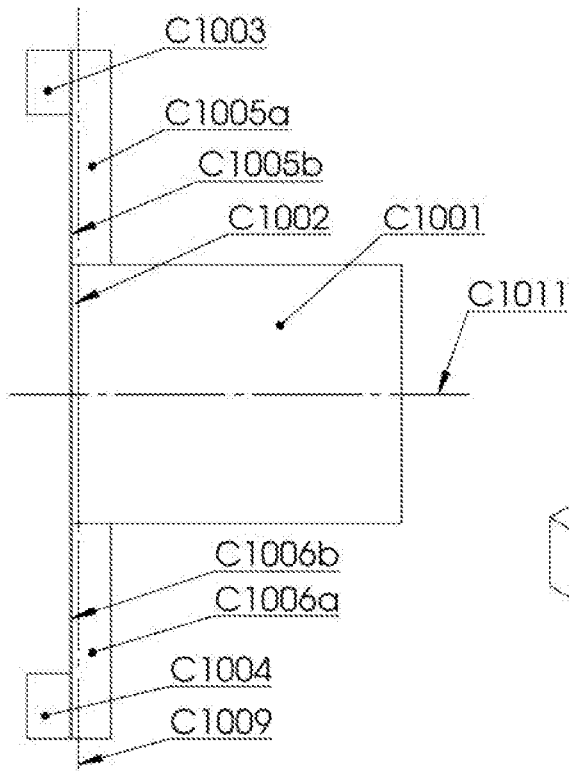


Fig. C10a

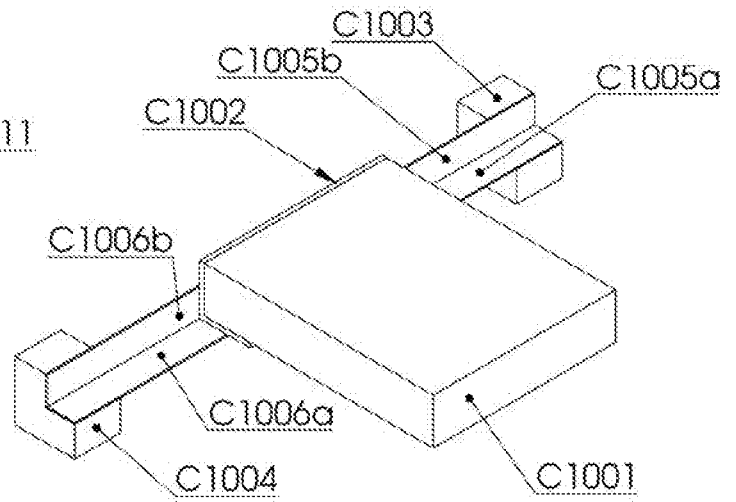


Fig. C10b

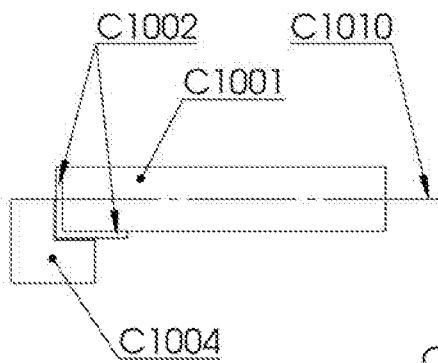


Fig. C10c

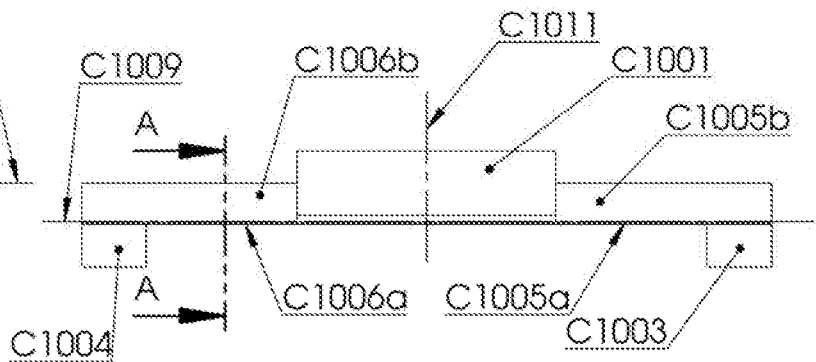
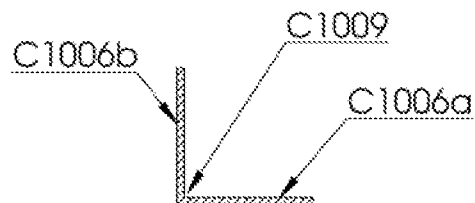
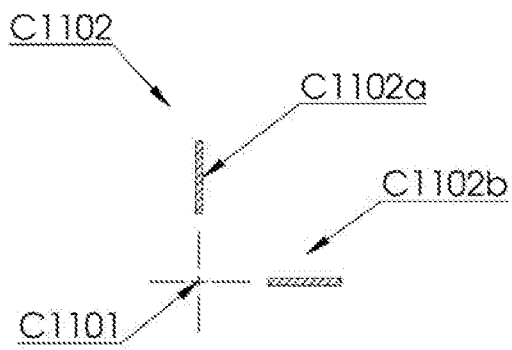
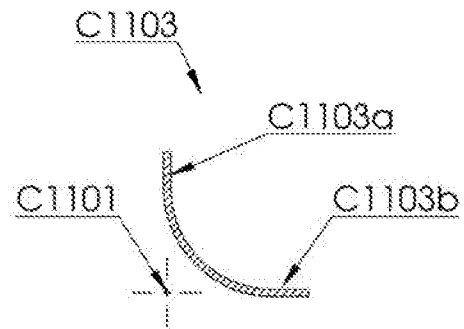
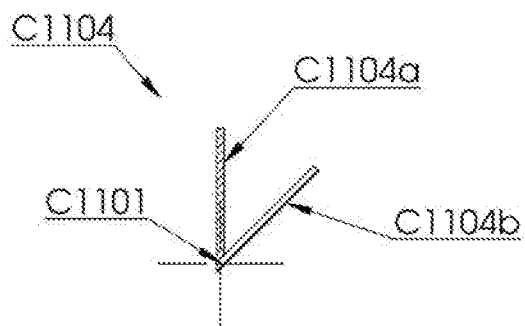
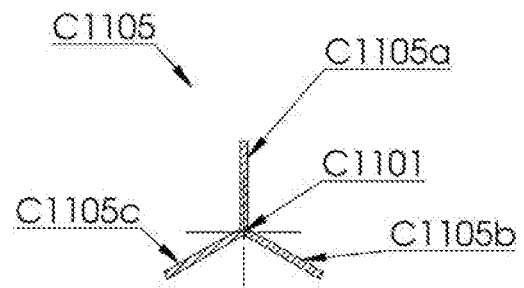
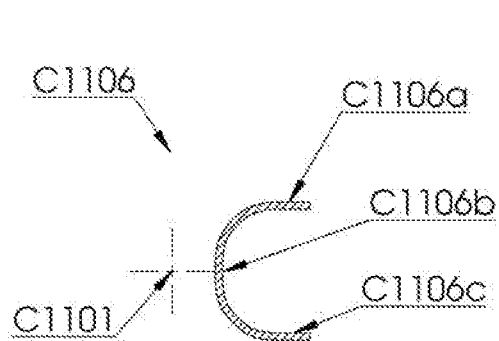
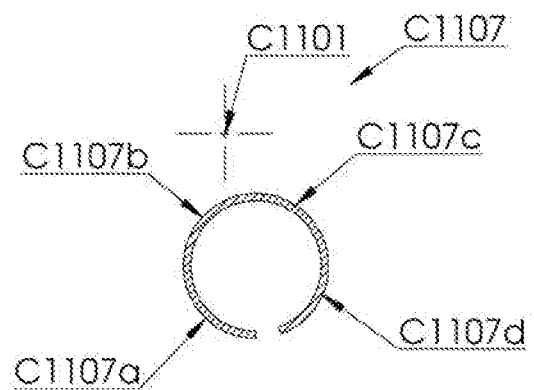
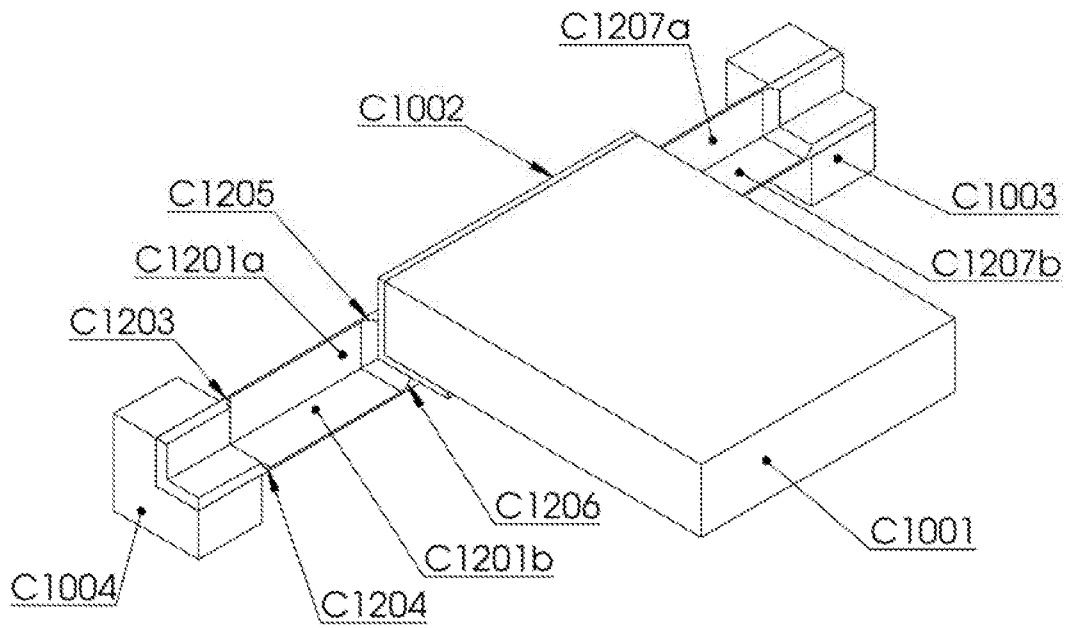
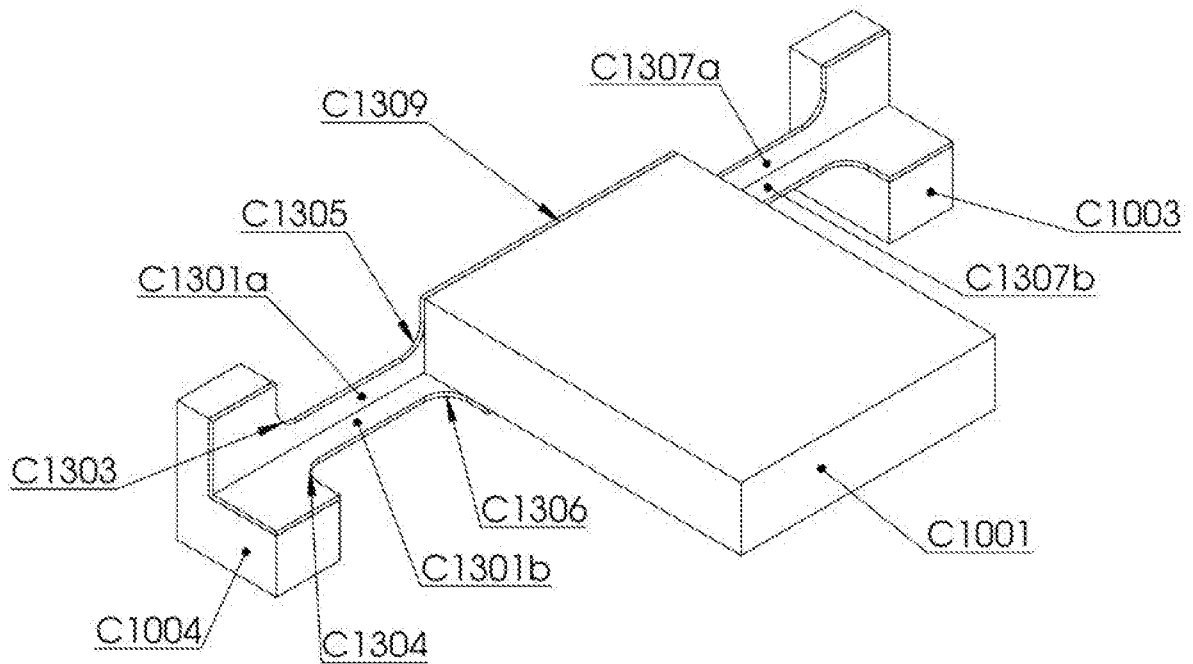


Fig. C10d

Fig. C10e
SECTION A-A

**Fig. C11a****Fig. C11b****Fig. C11c****Fig. C11d****Fig. C11e****Fig. C11f**

**Fig. C12****Fig. C13**

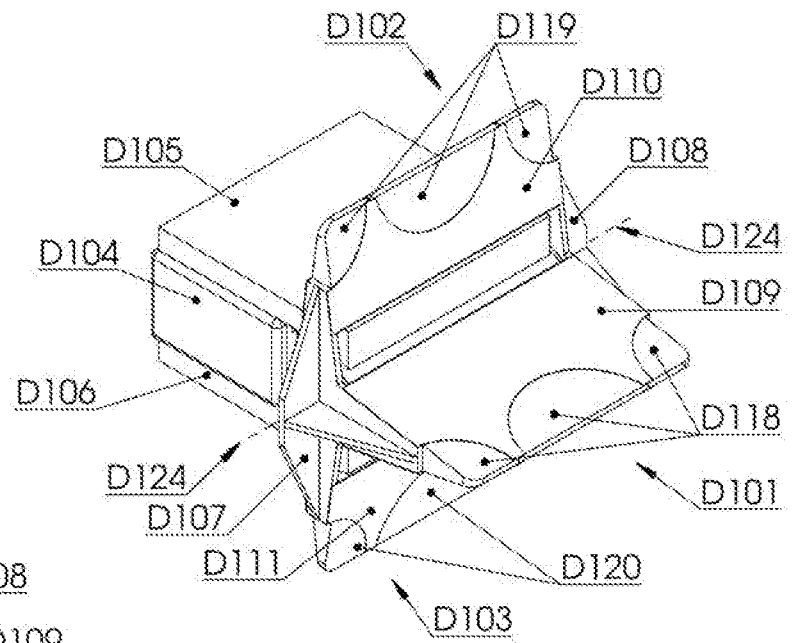


FIG. D1a

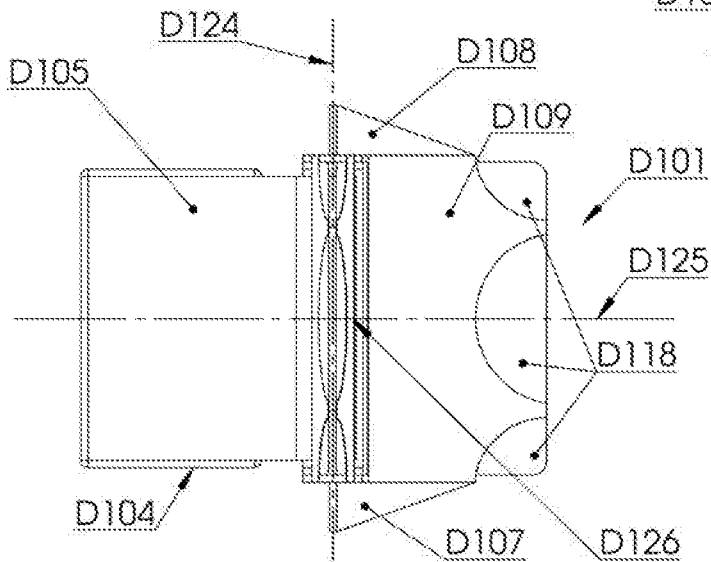


FIG. D1b

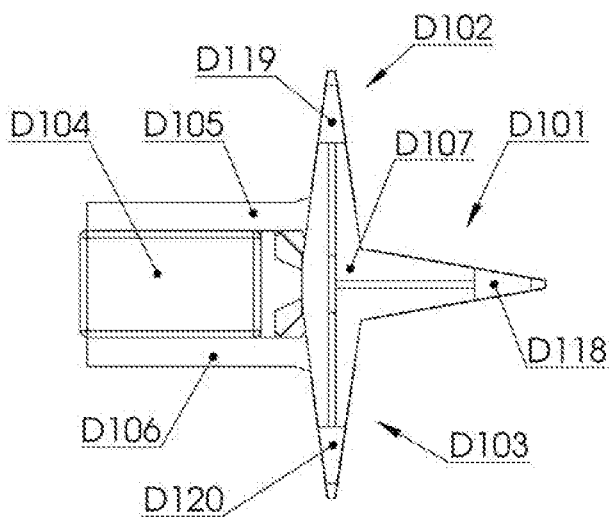


FIG. D1c

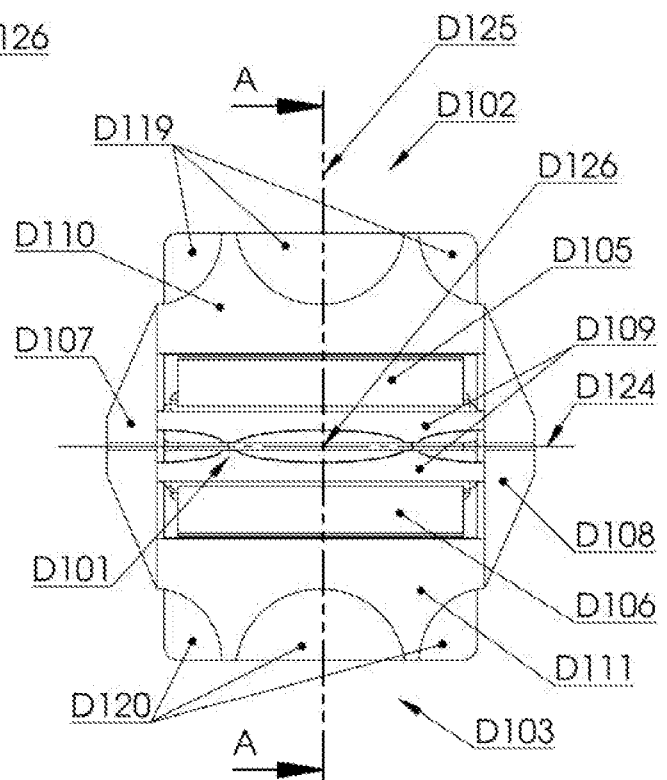
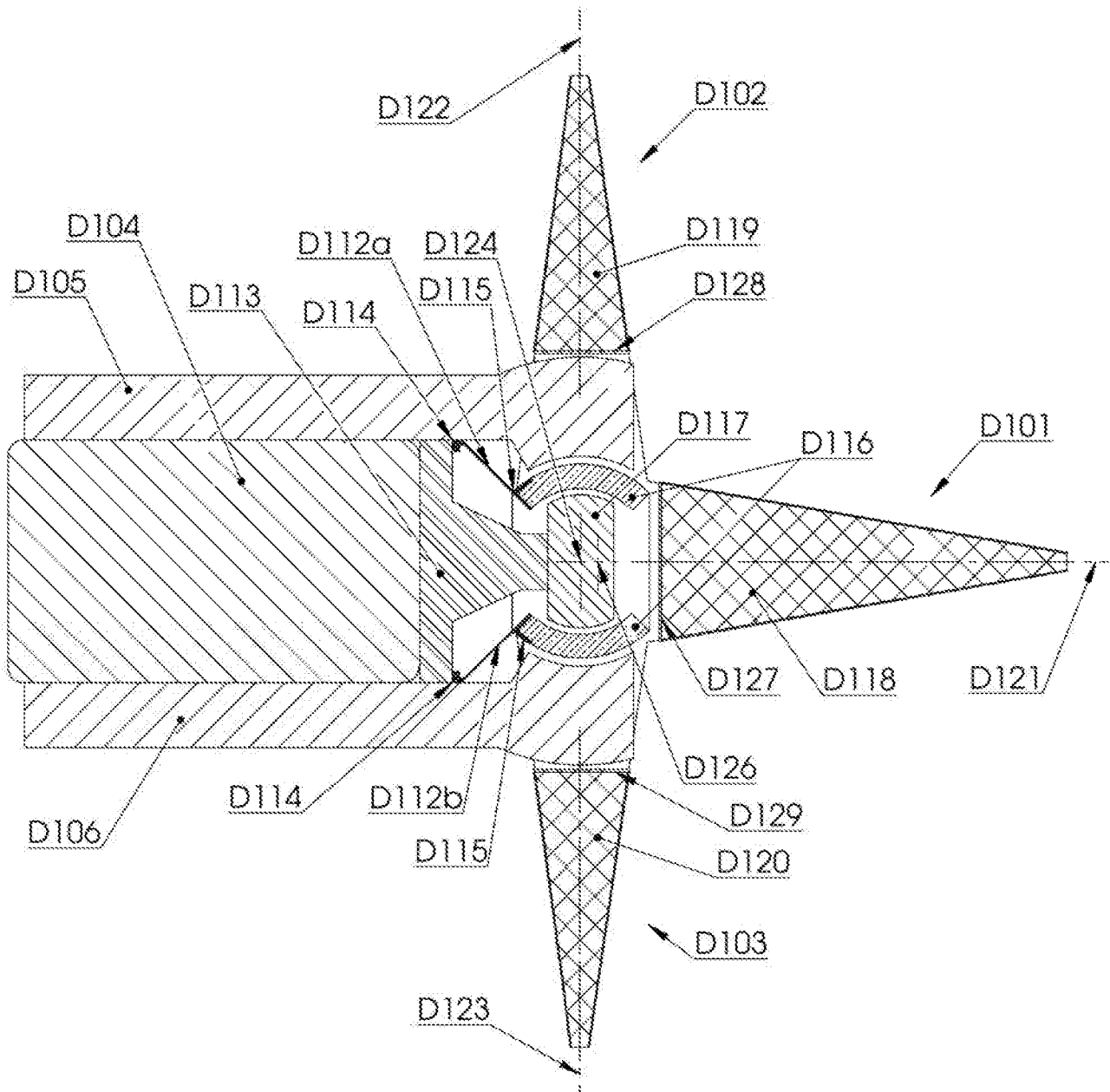
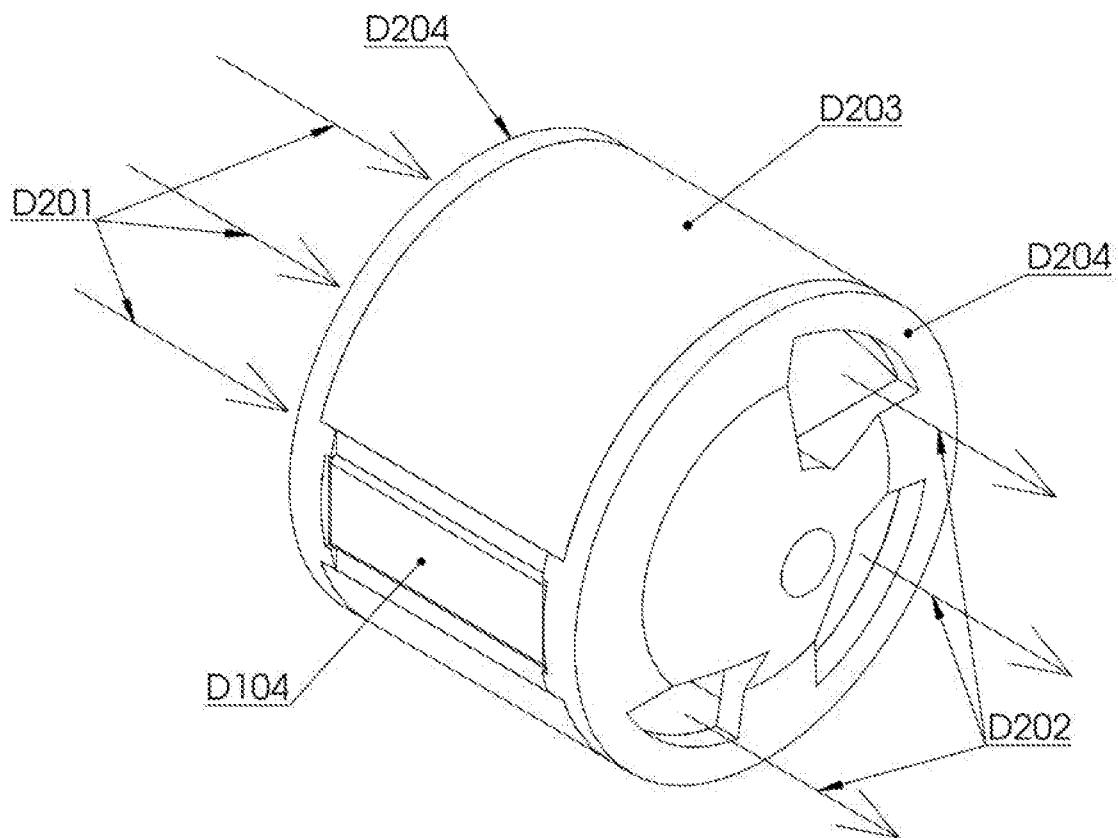
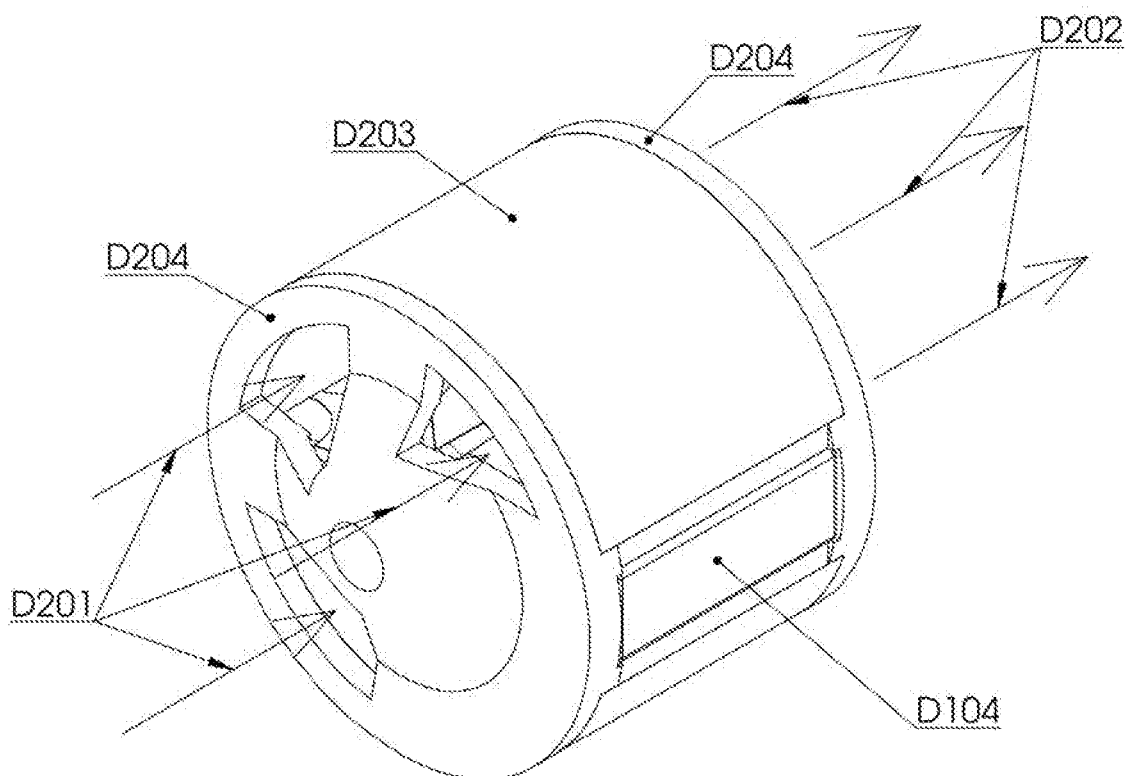
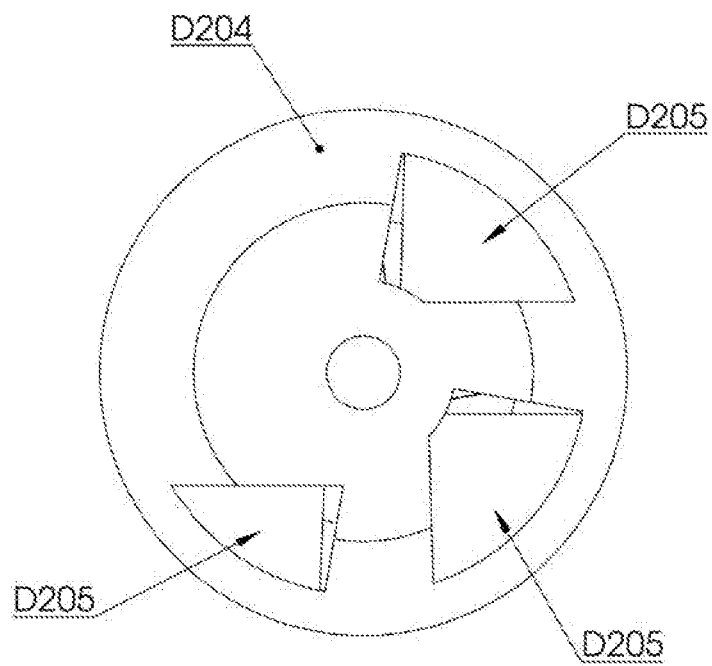
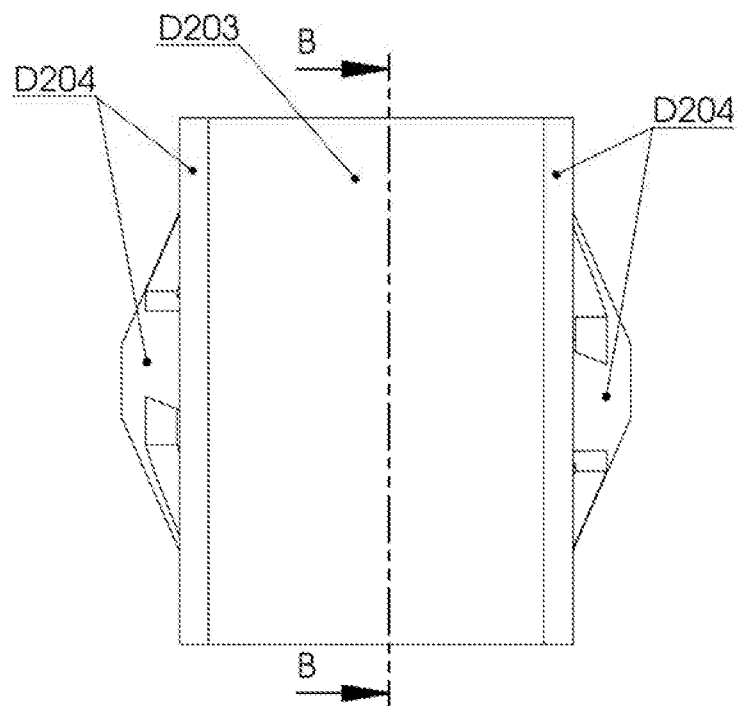


FIG. D1d



**FIG. D2a****FIG. D2b**

**FIG. D2c****FIG. D2d**

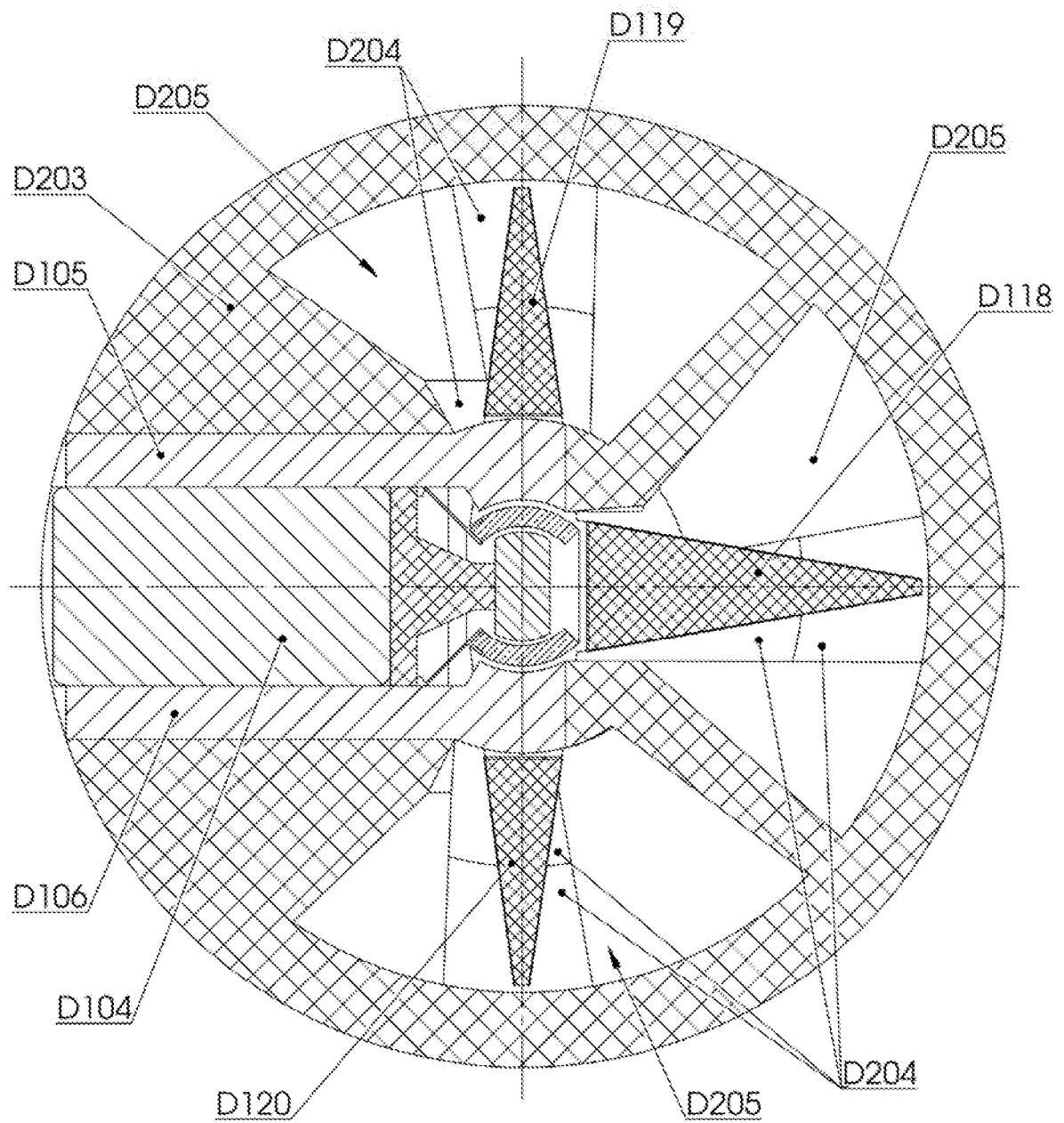
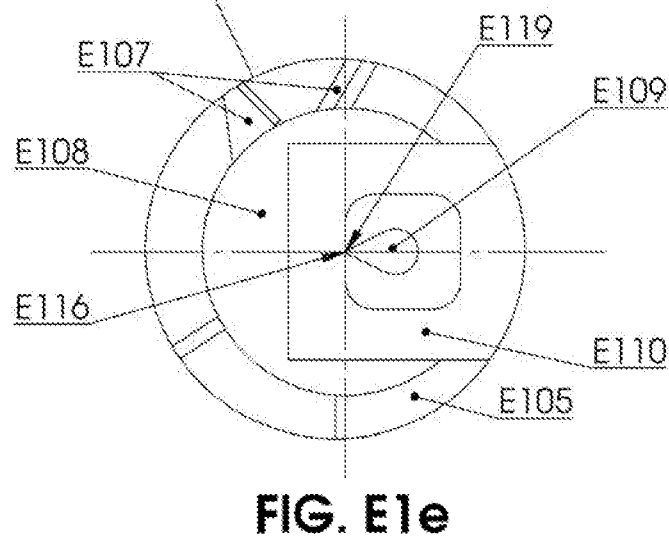
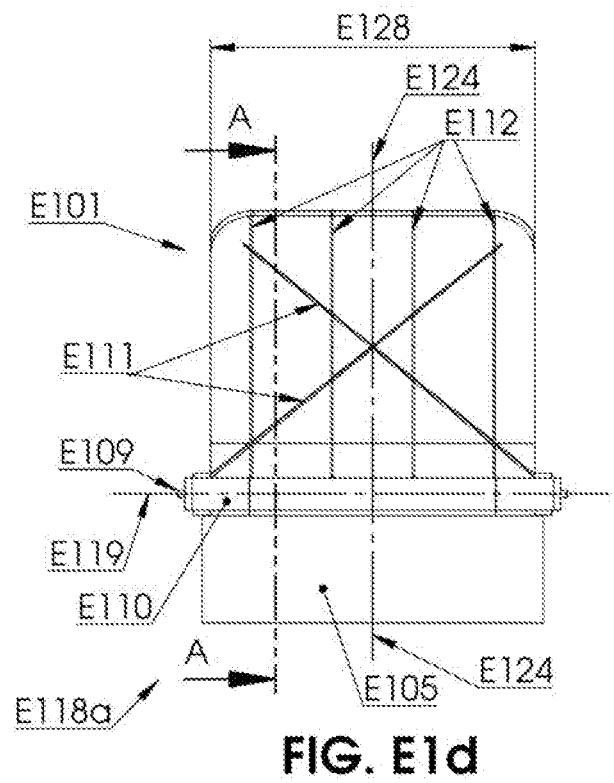
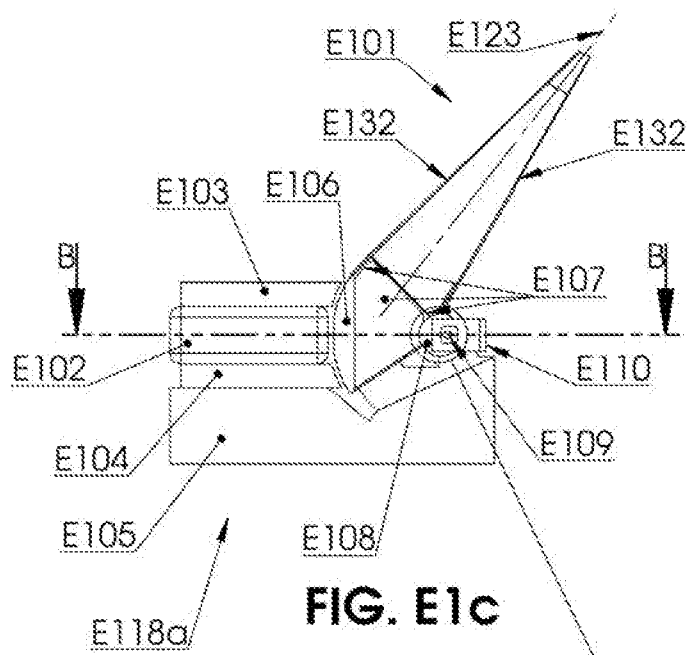
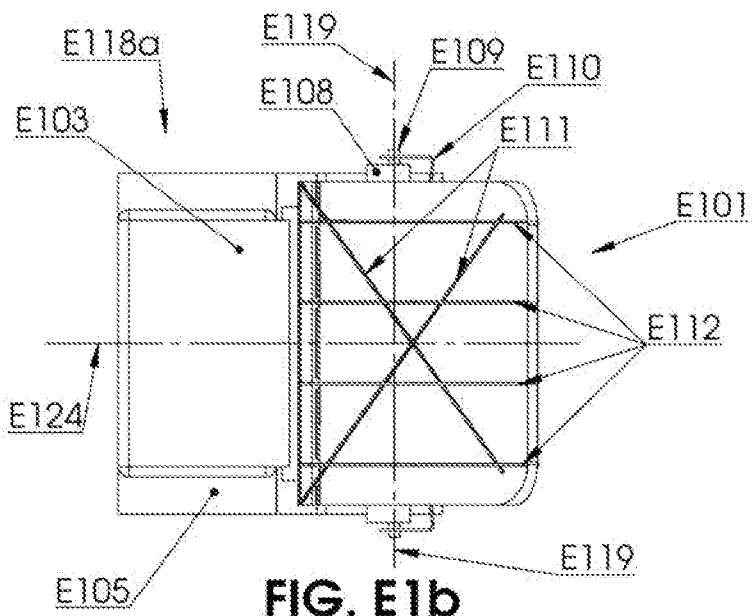
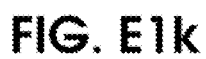


FIG. D2e
SECTION B-B







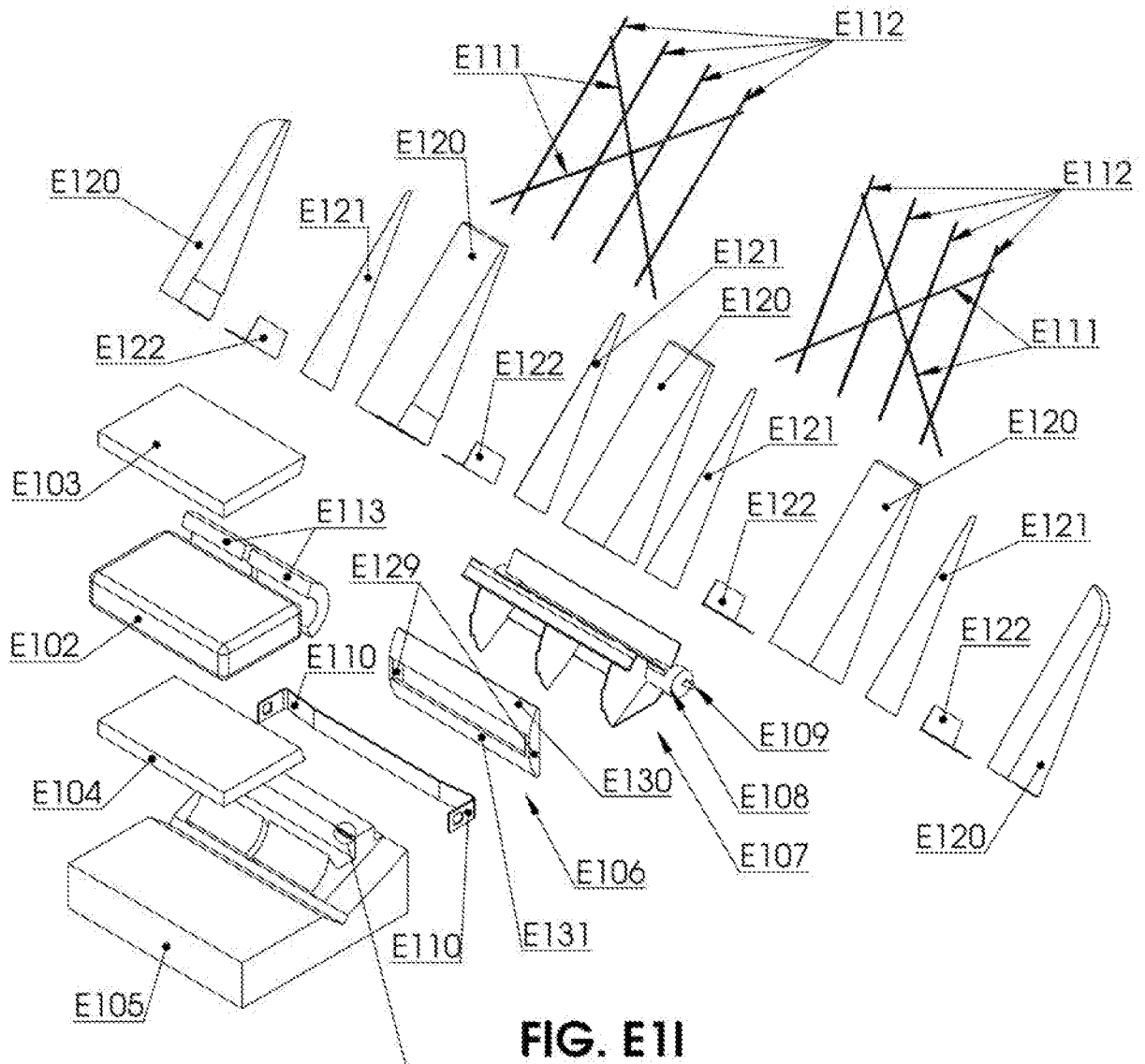


FIG. E11

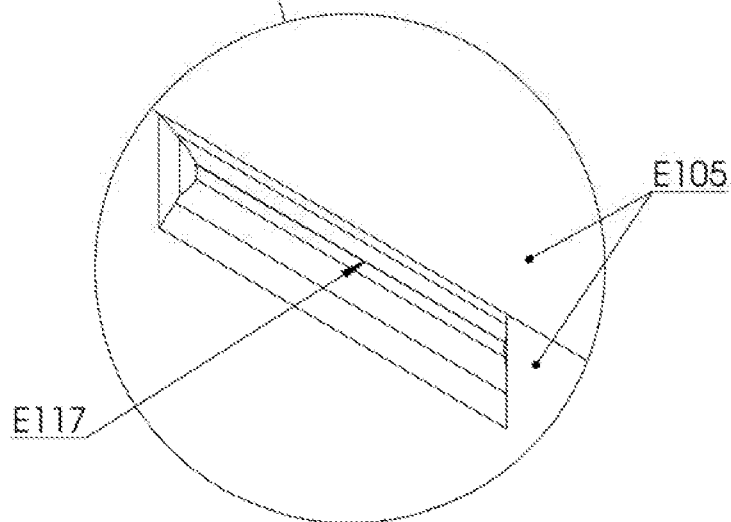


FIG. E1m

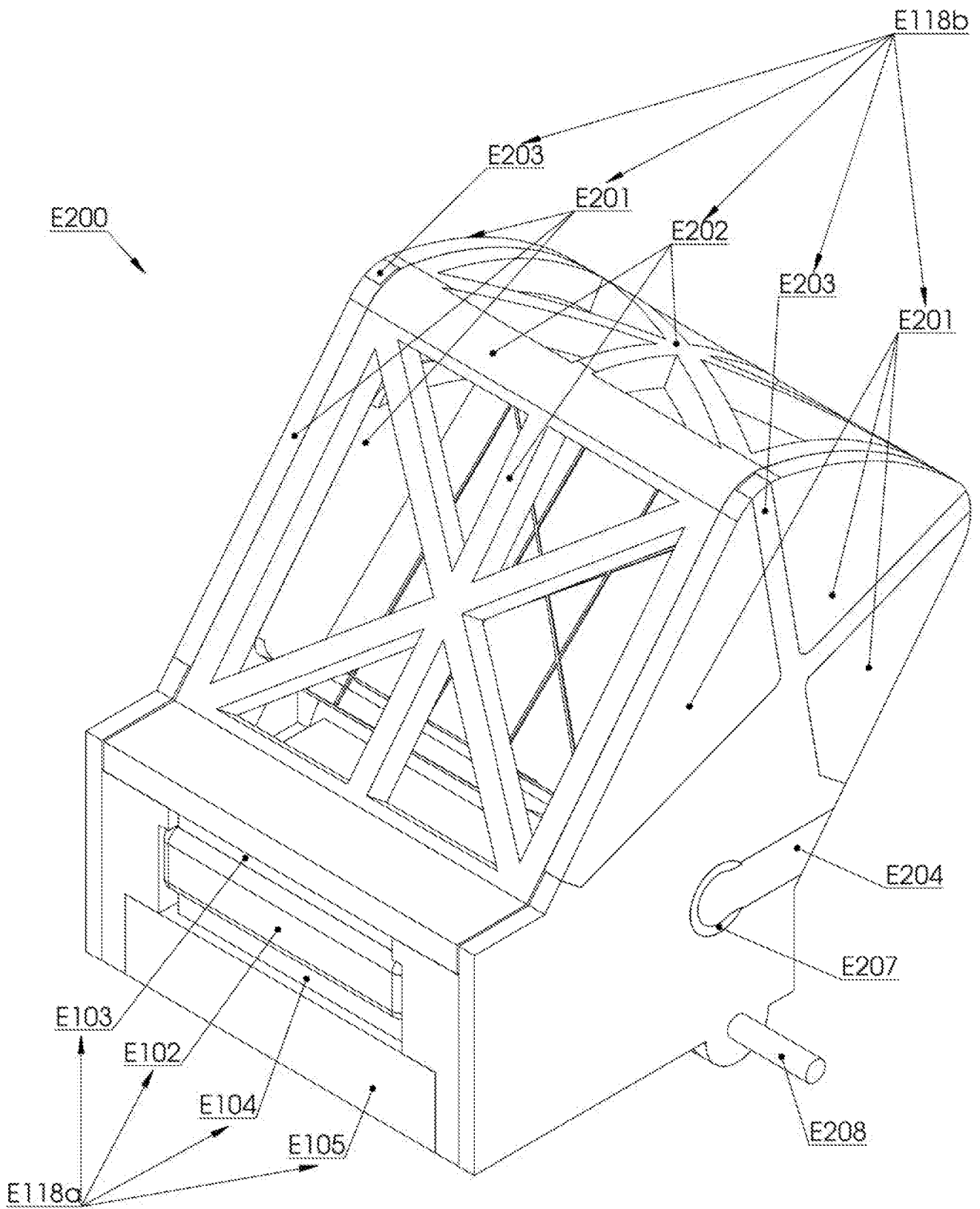
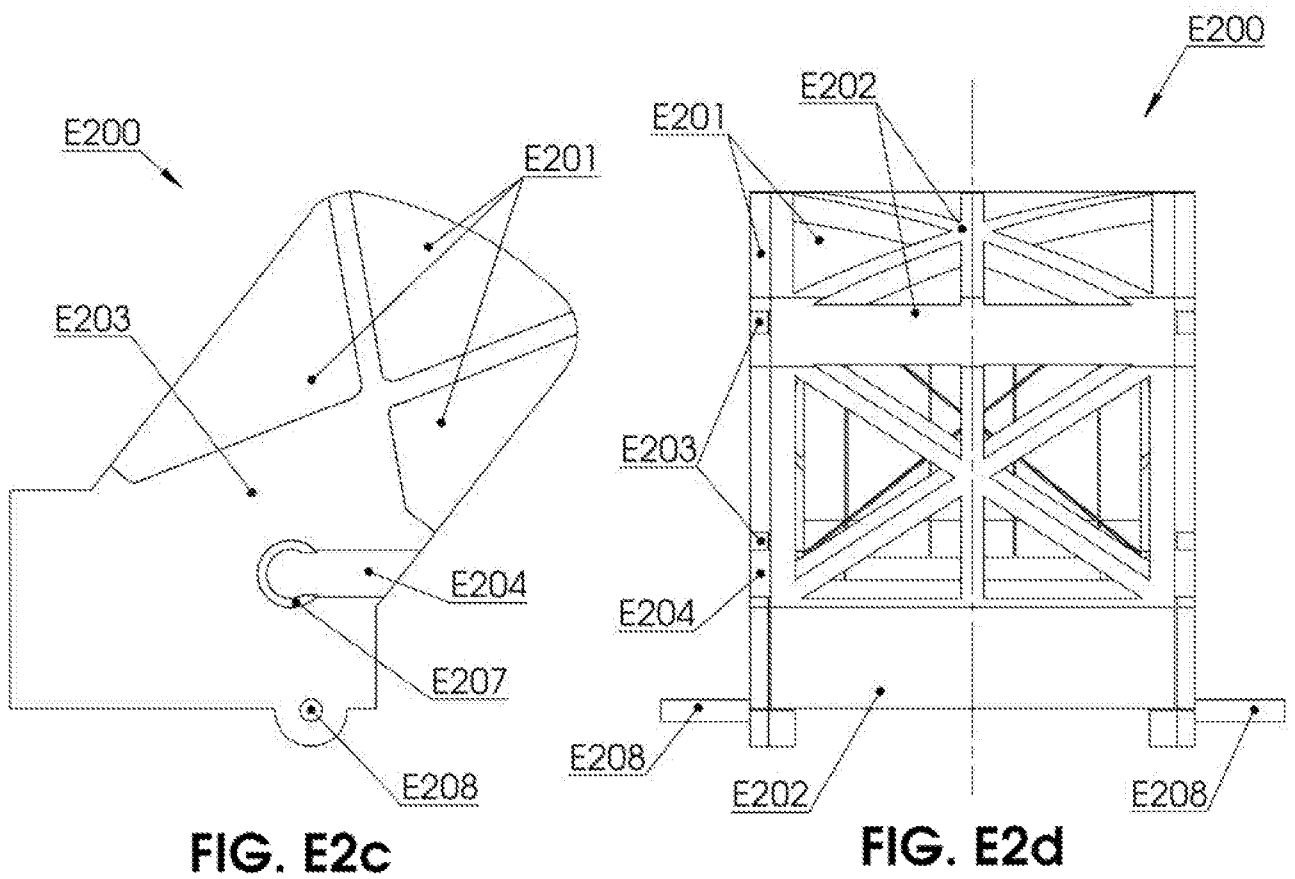
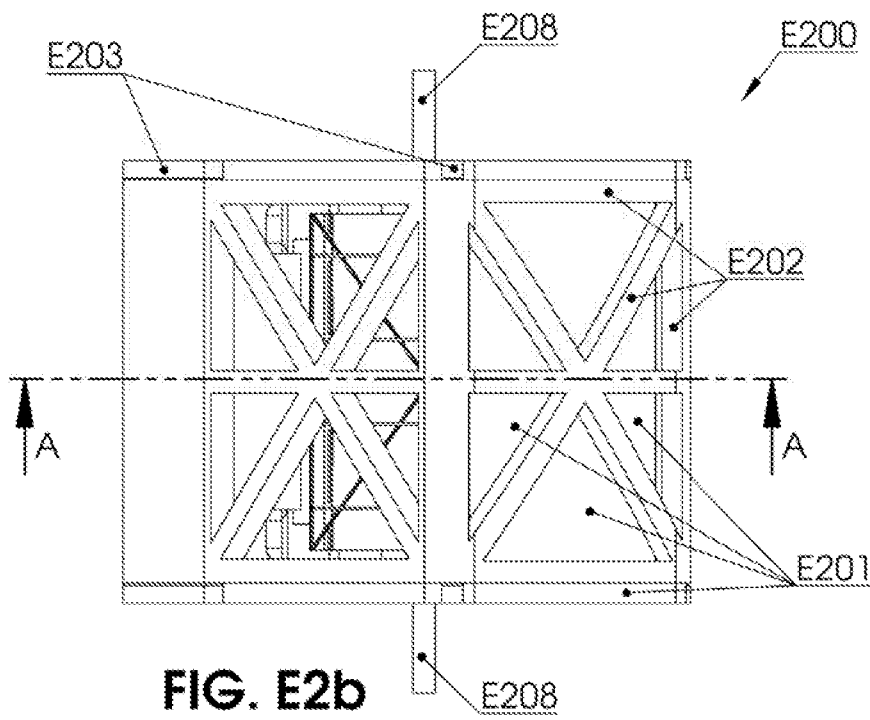
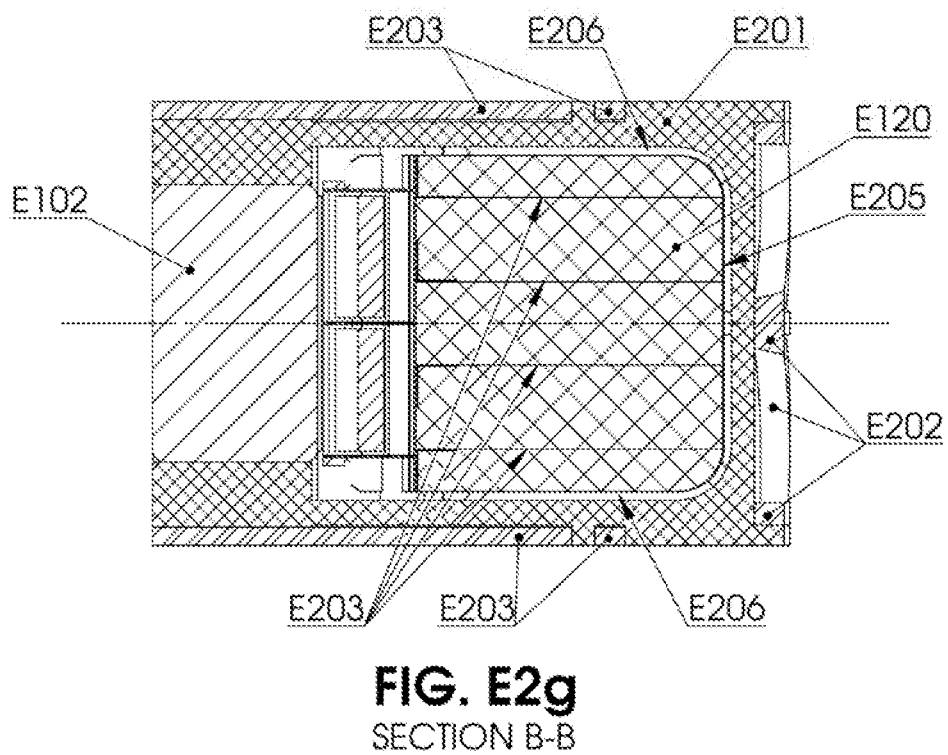
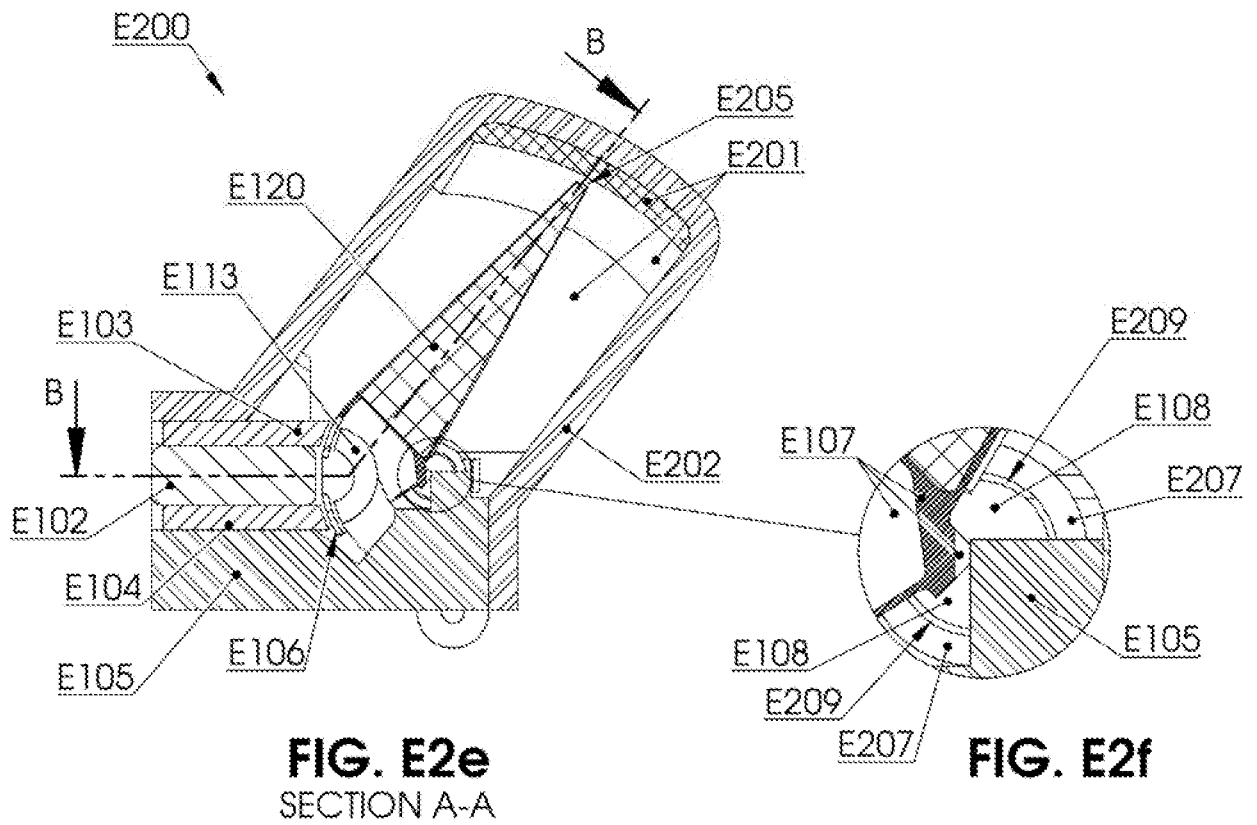
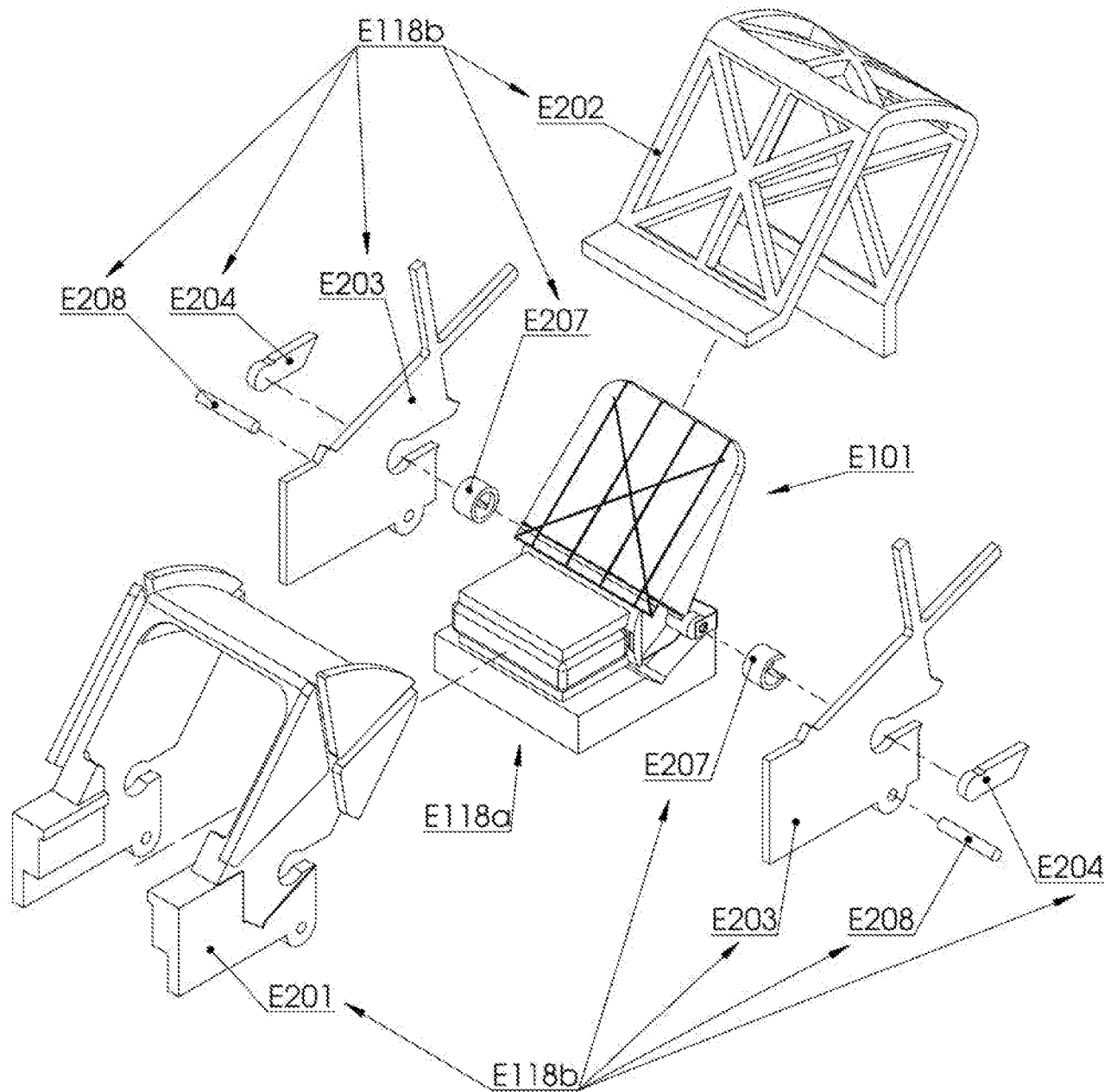
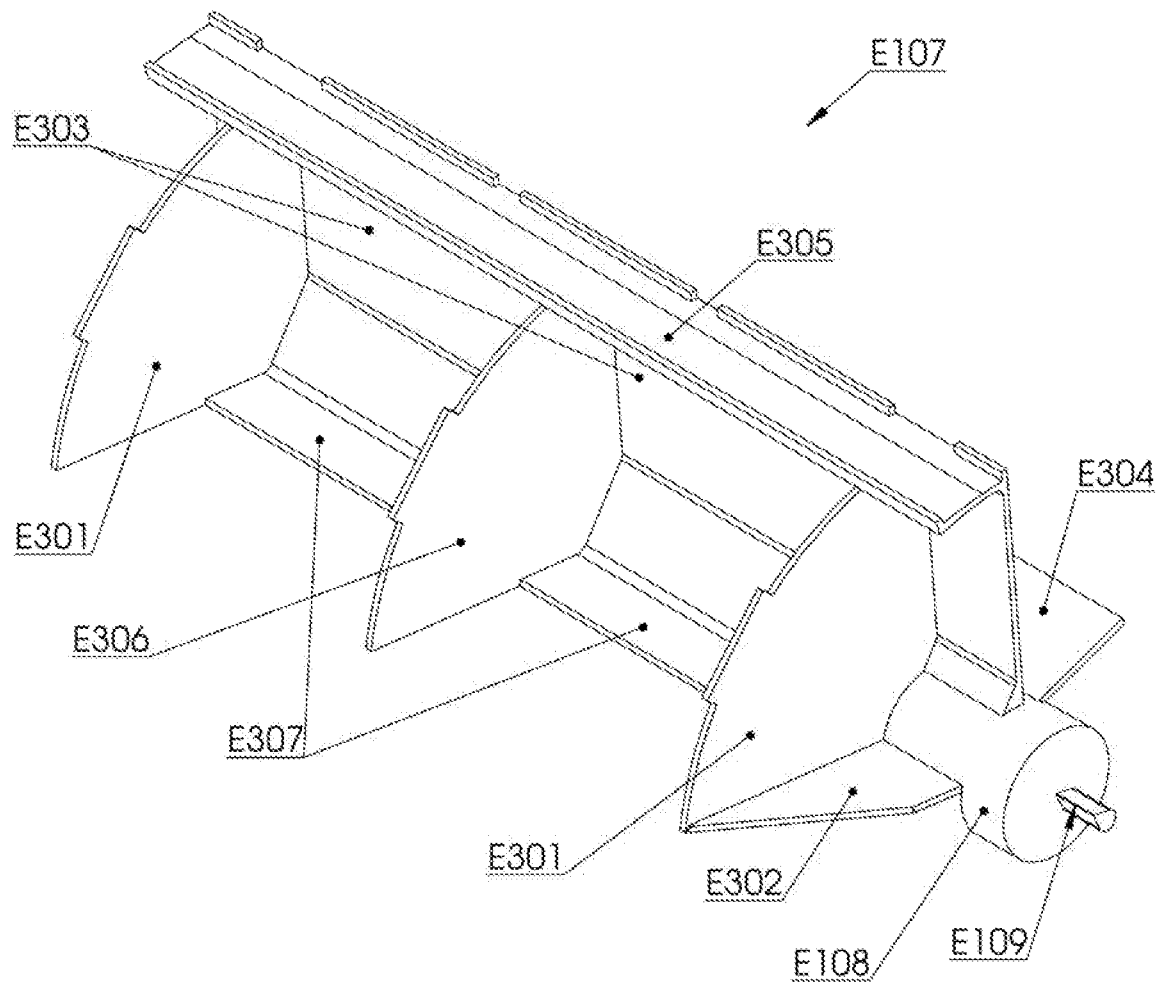


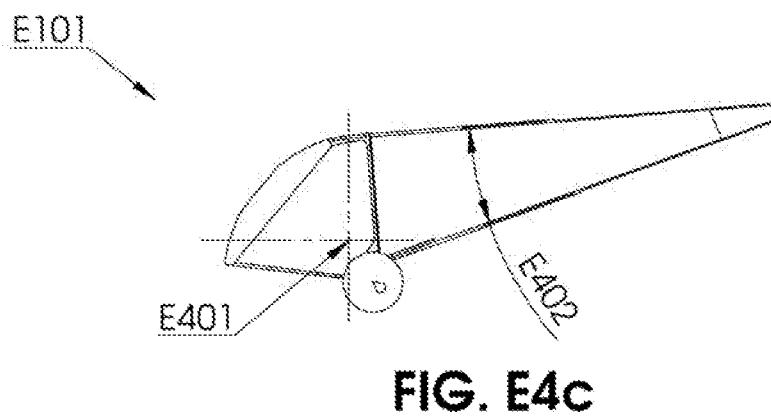
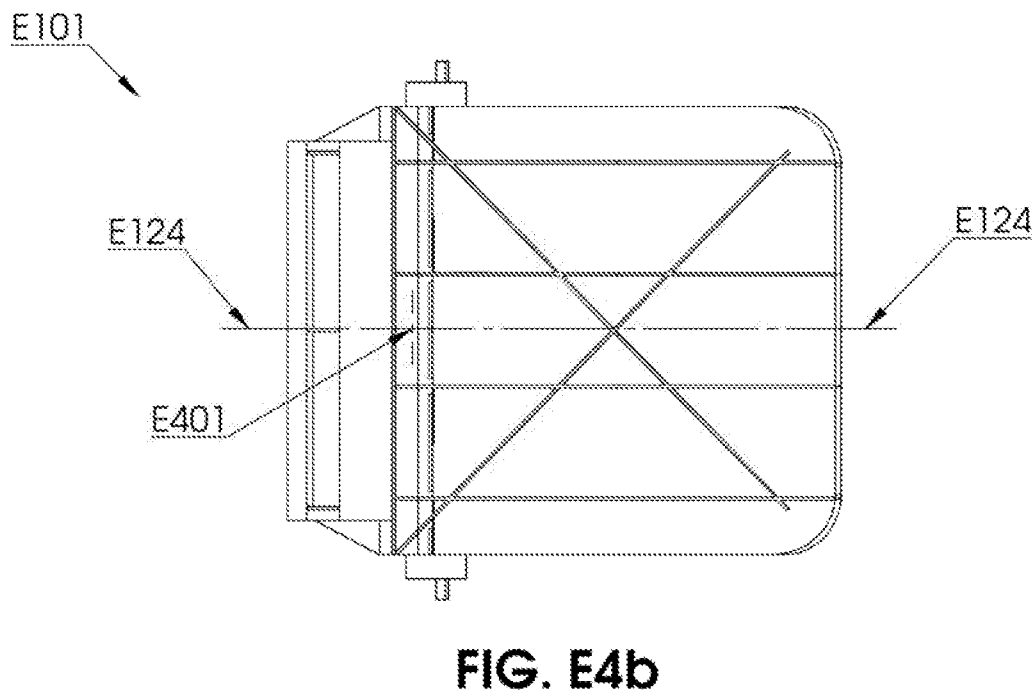
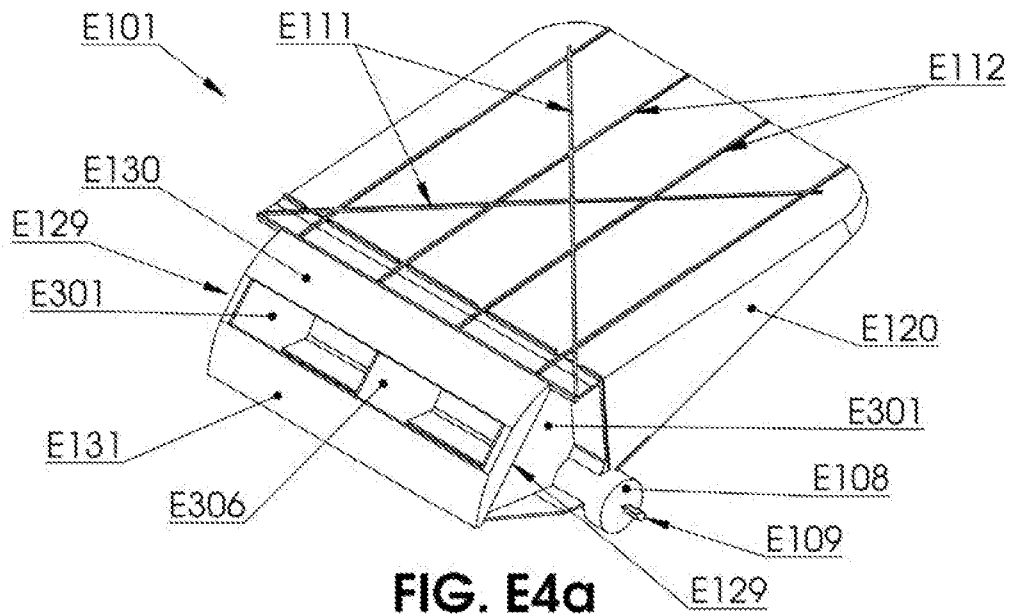
FIG. E2a

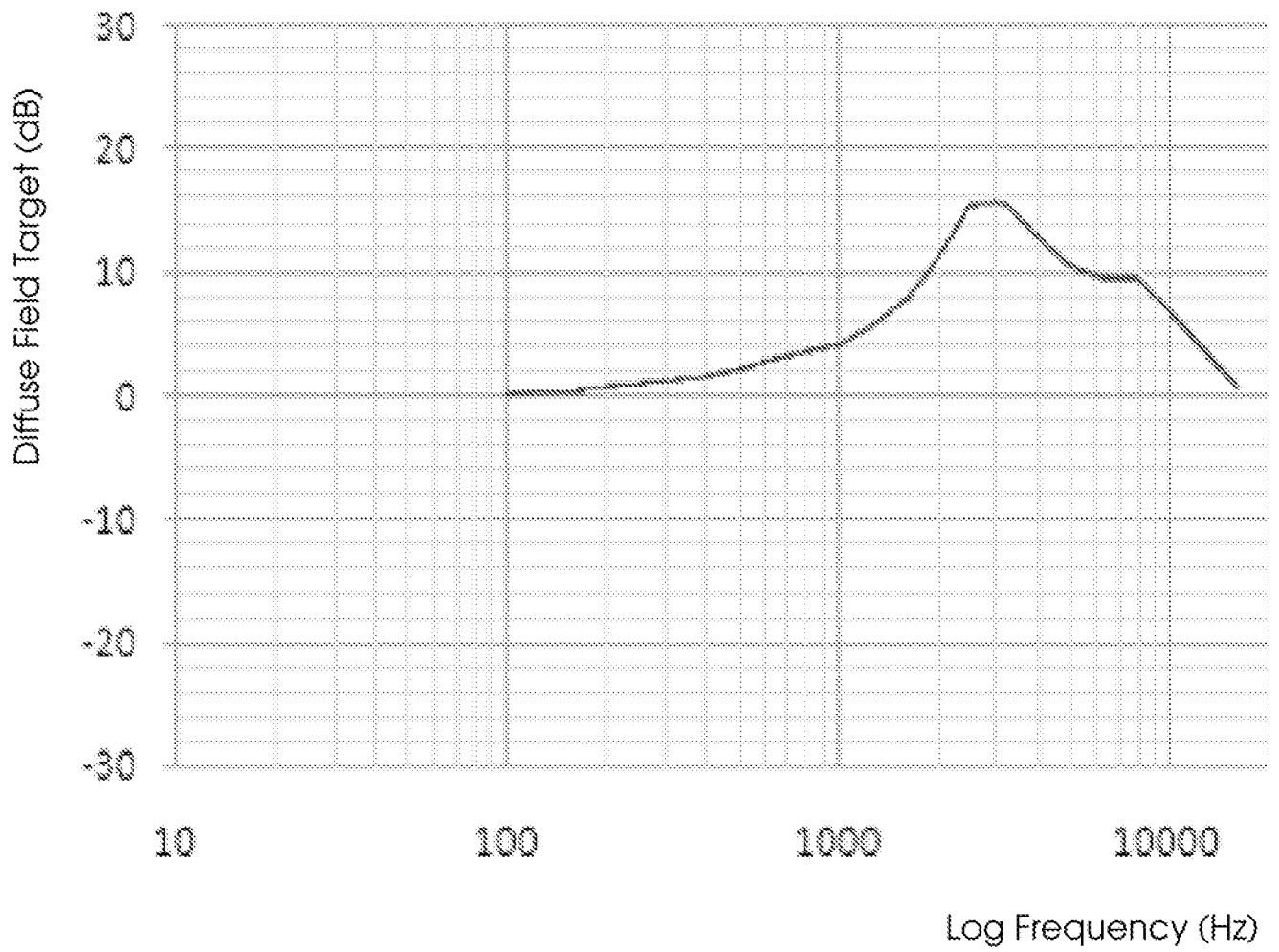


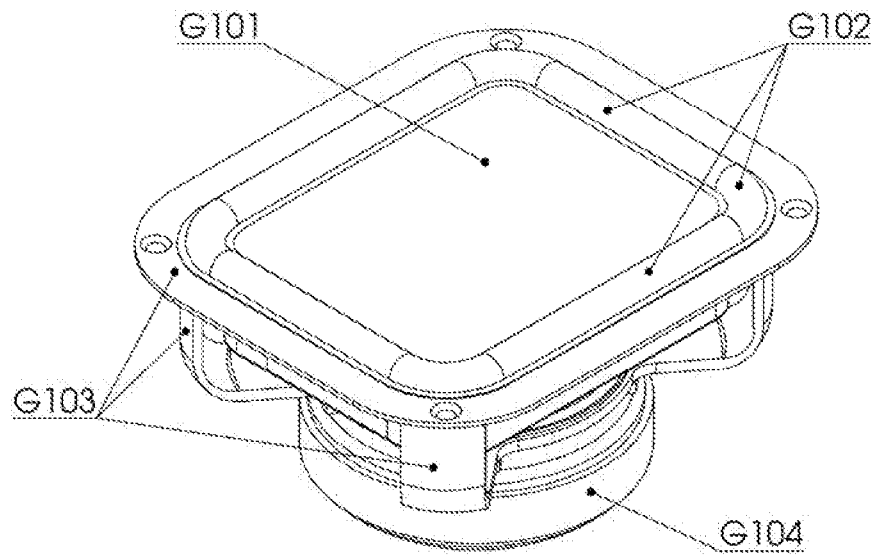
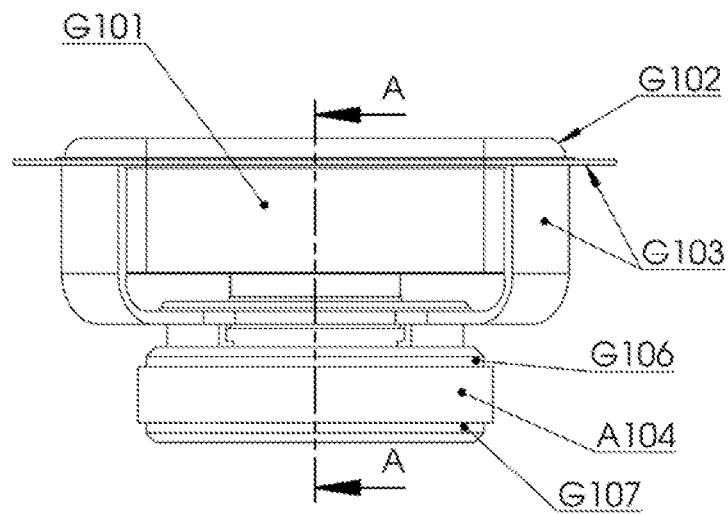
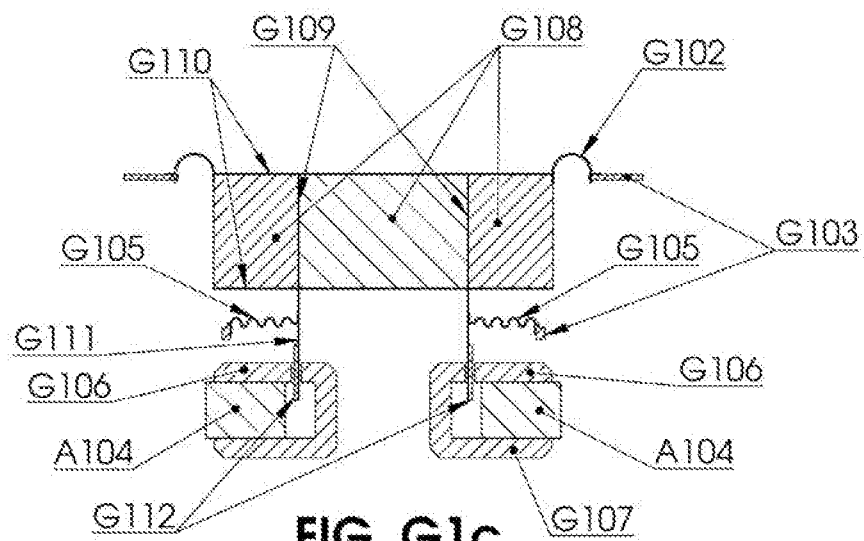


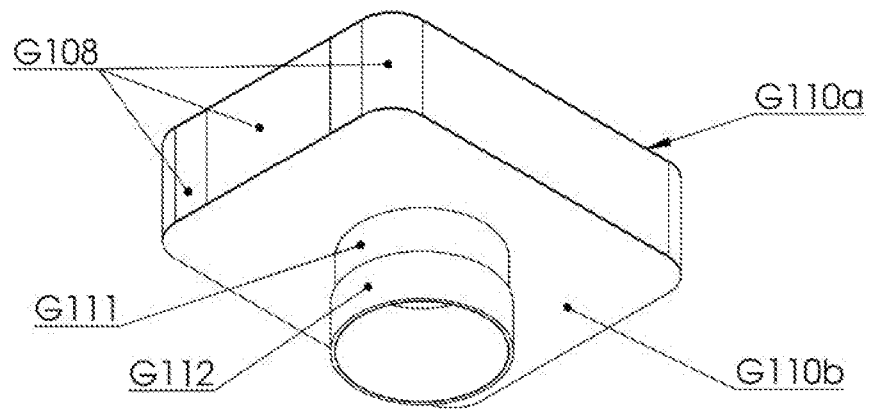
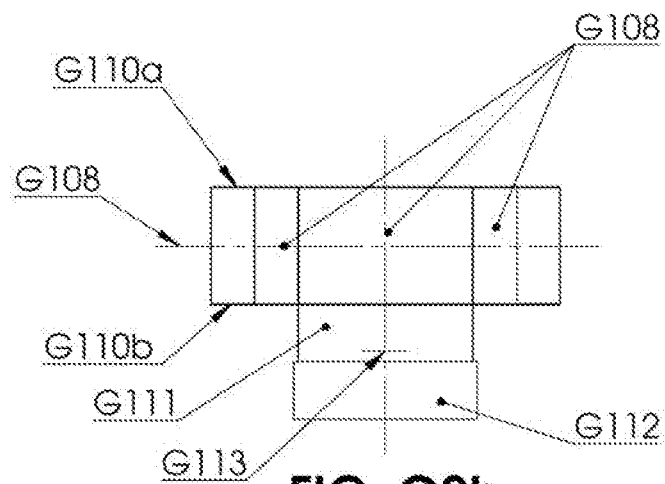
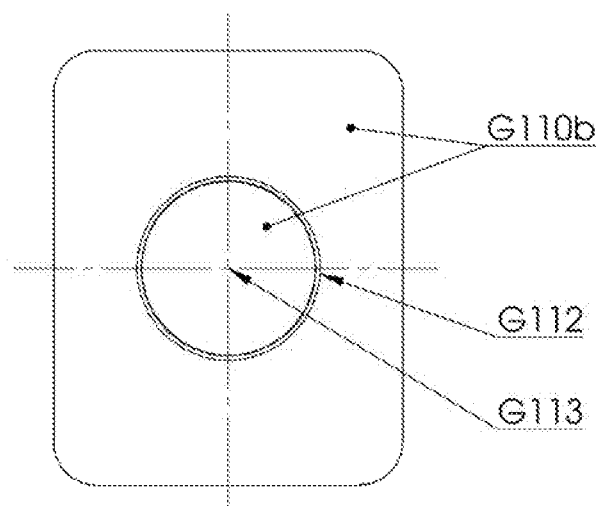
**FIG. E2h**

**FIG. E3a**



**FIG. F**

**FIG. G1a****FIG. G1b****FIG. G1c**

**FIG. G2a****FIG. G2b****FIG. G2c**

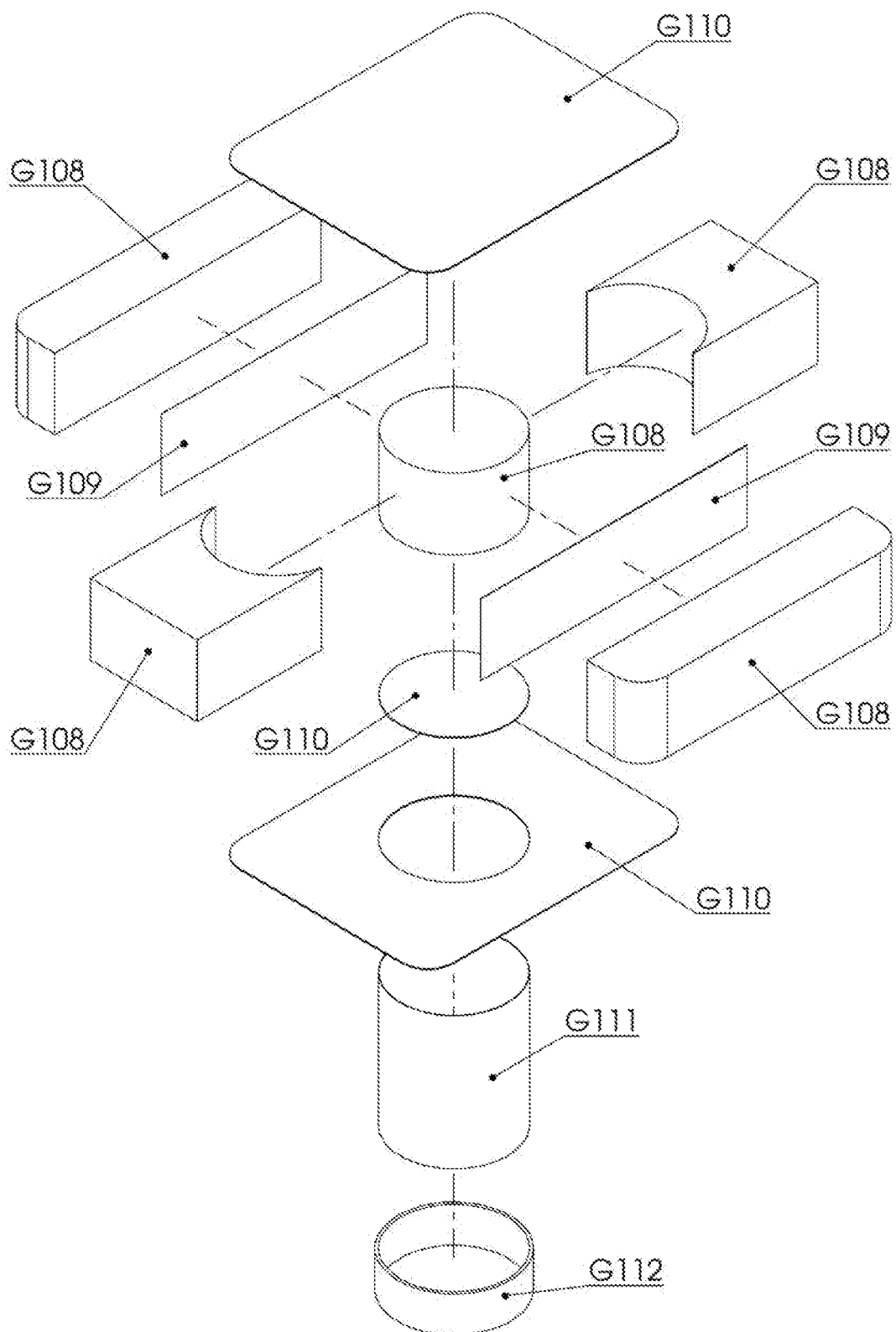
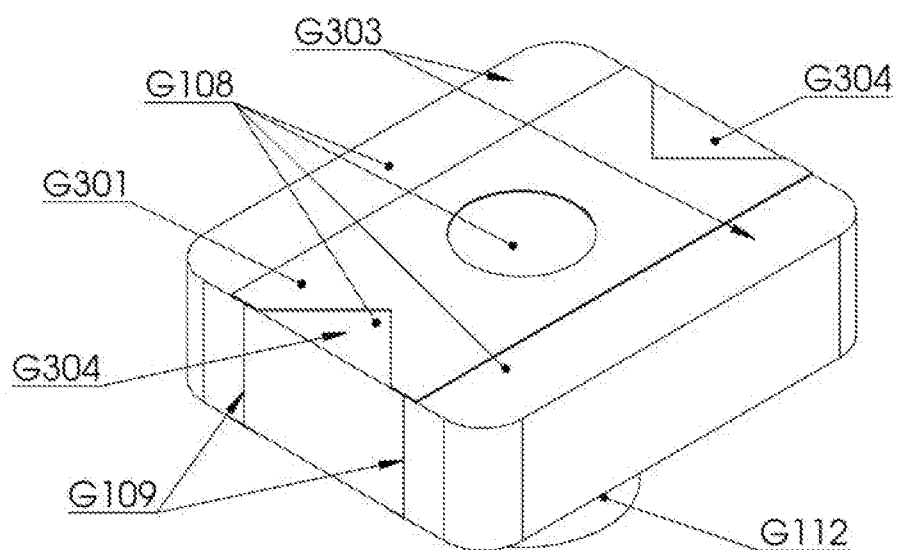
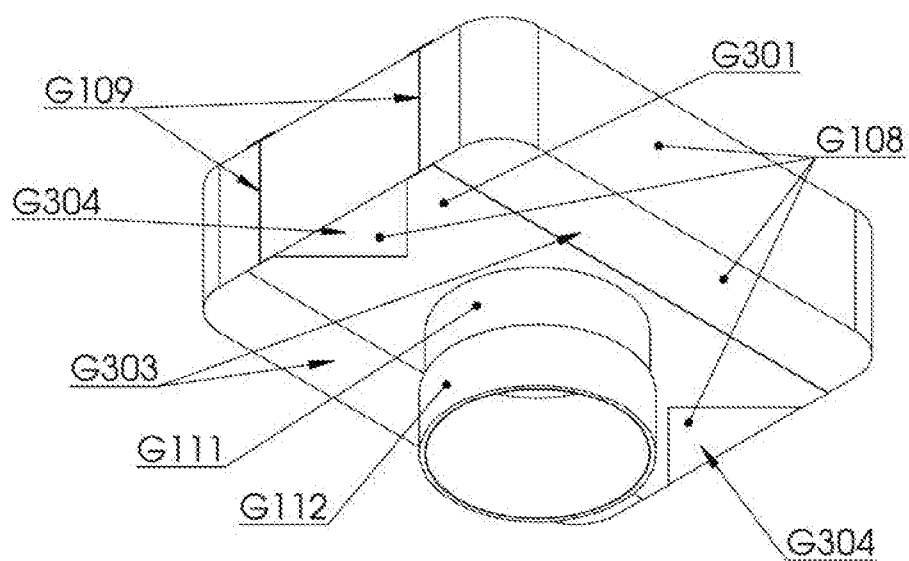
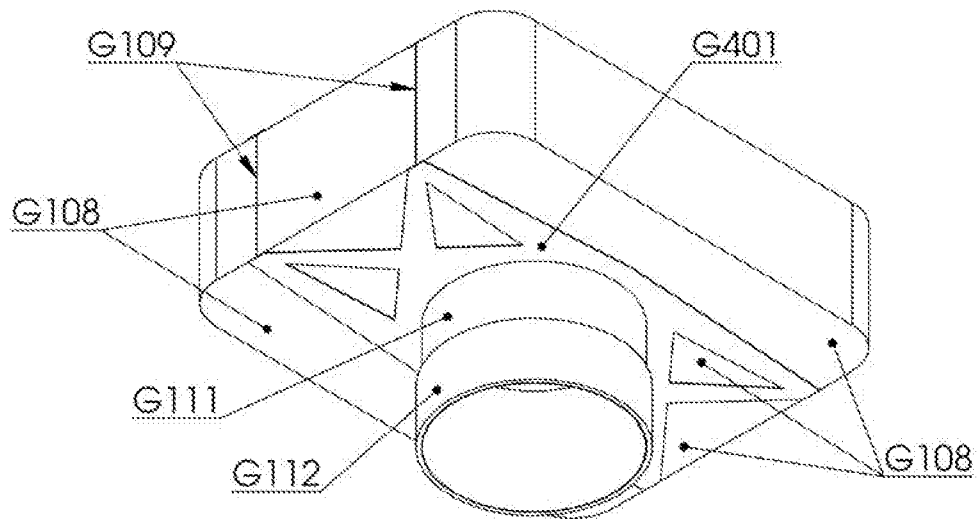
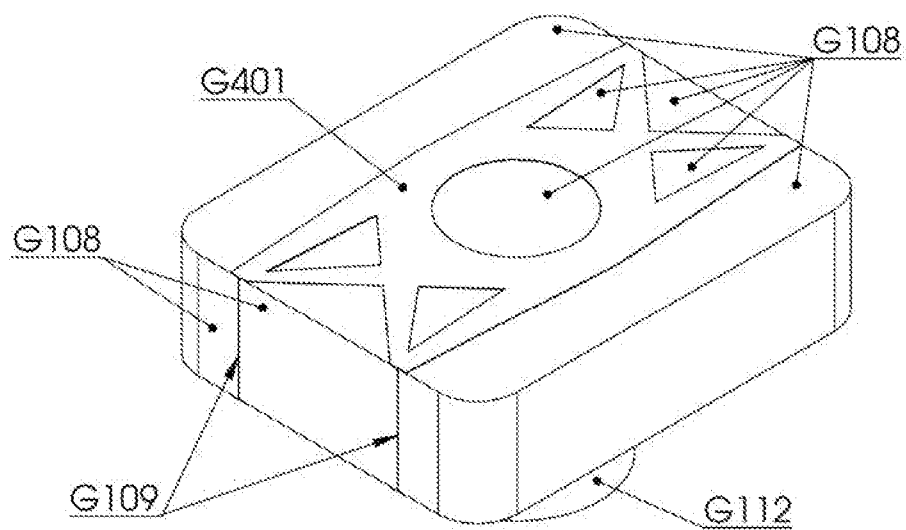
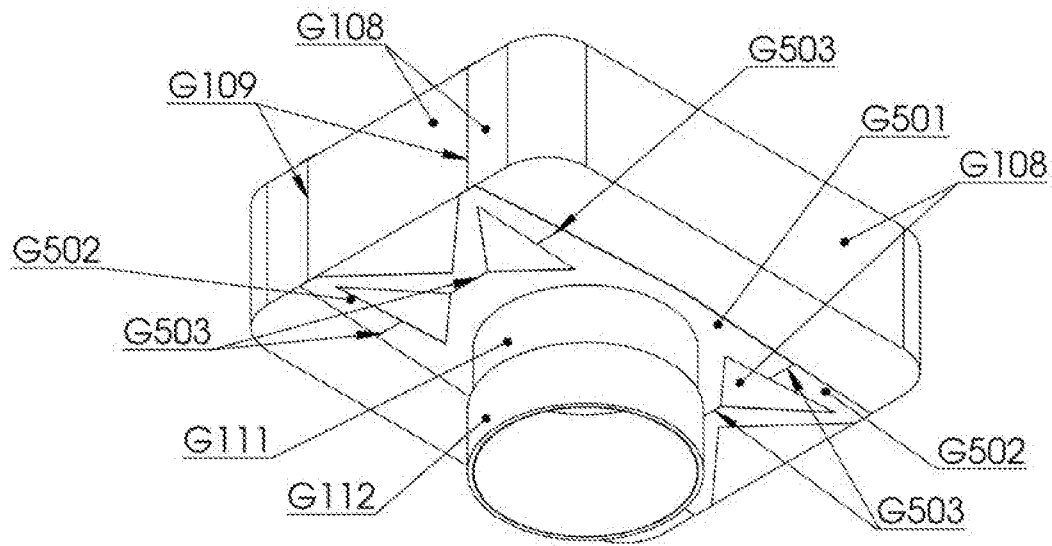
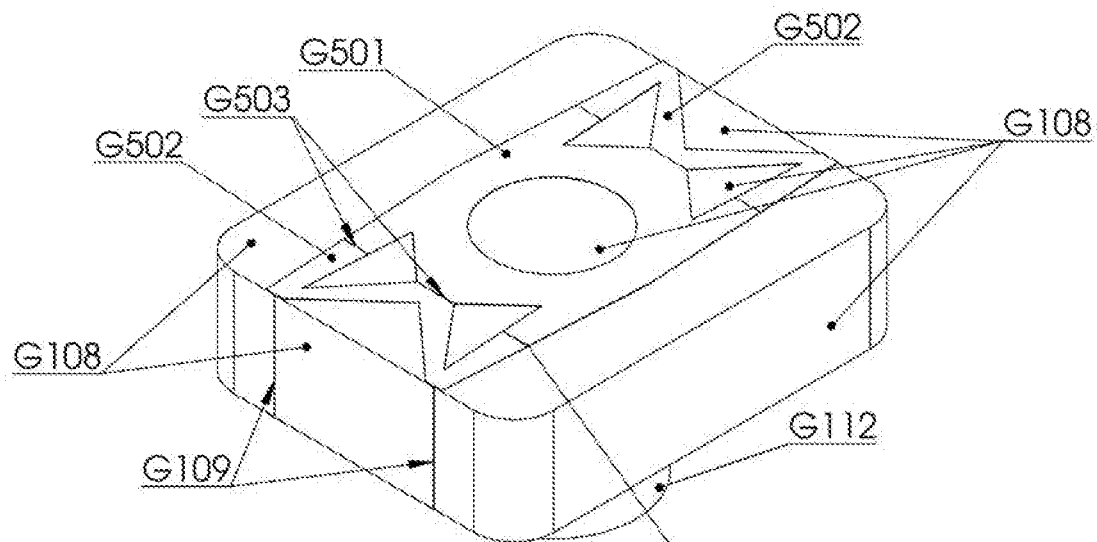
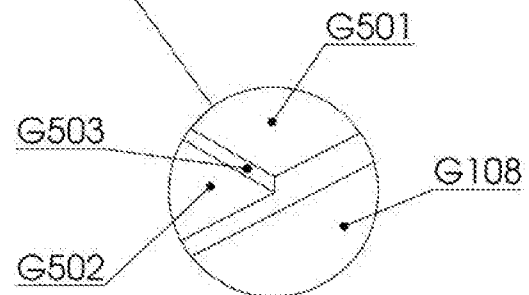
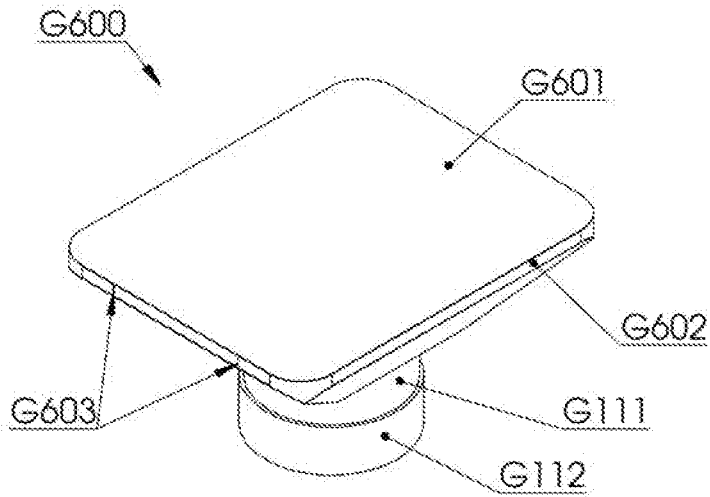
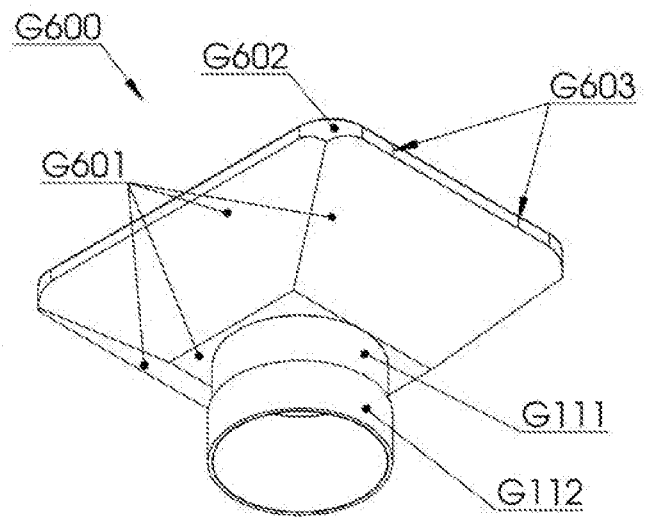
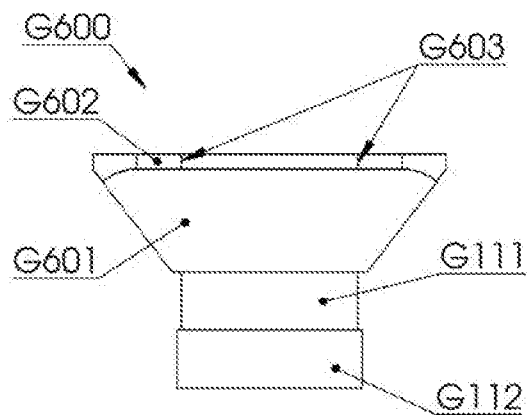
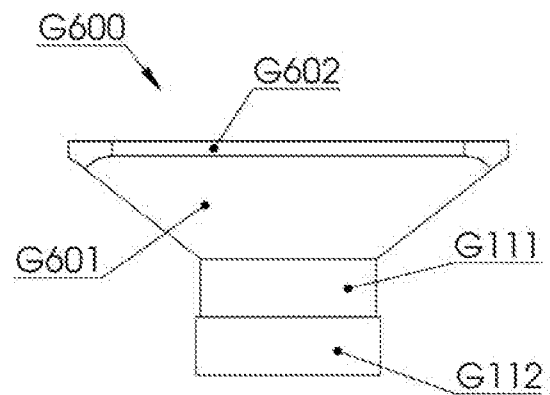
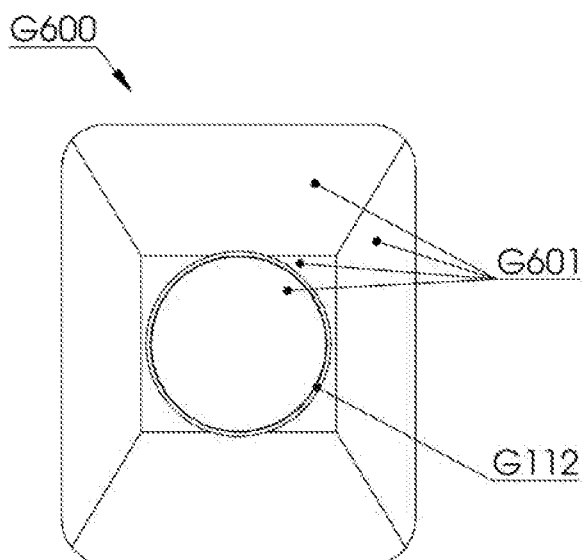


FIG. G2d



**FIG. G4a****FIG. G4b**

**FIG. G5a****FIG. G5b****FIG. G5c**

**FIG. G6a****FIG. G6b****FIG. G6c****FIG. G6d****FIG. G6e**

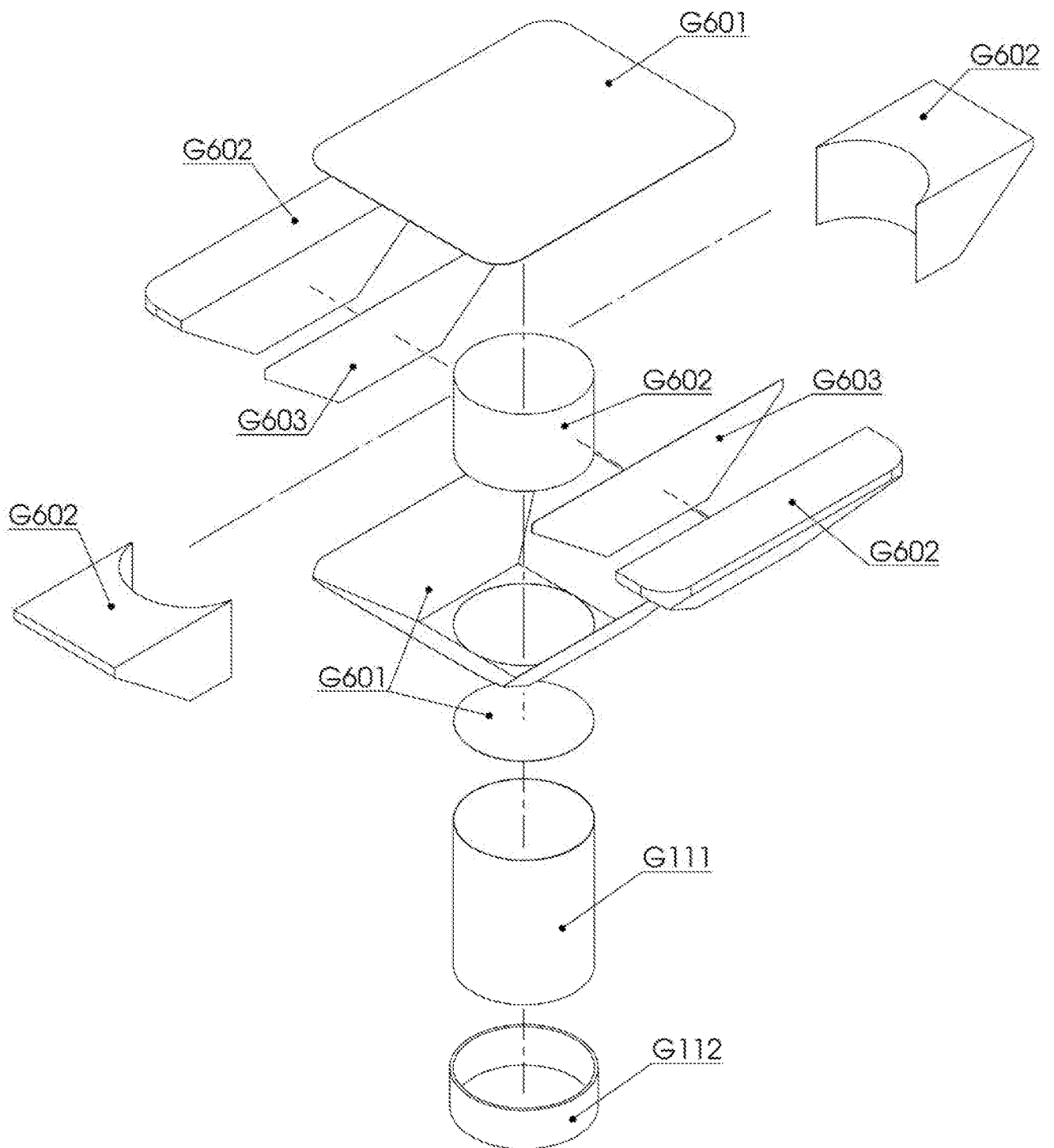
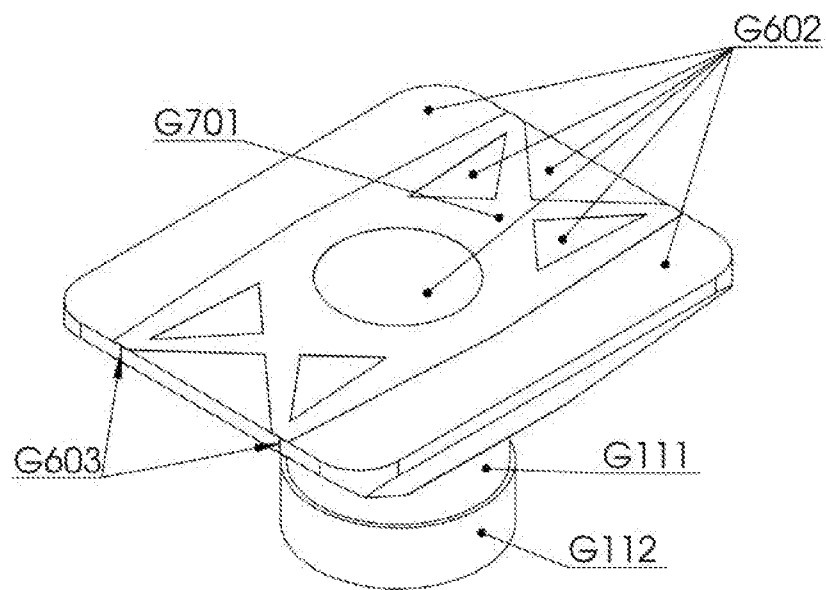
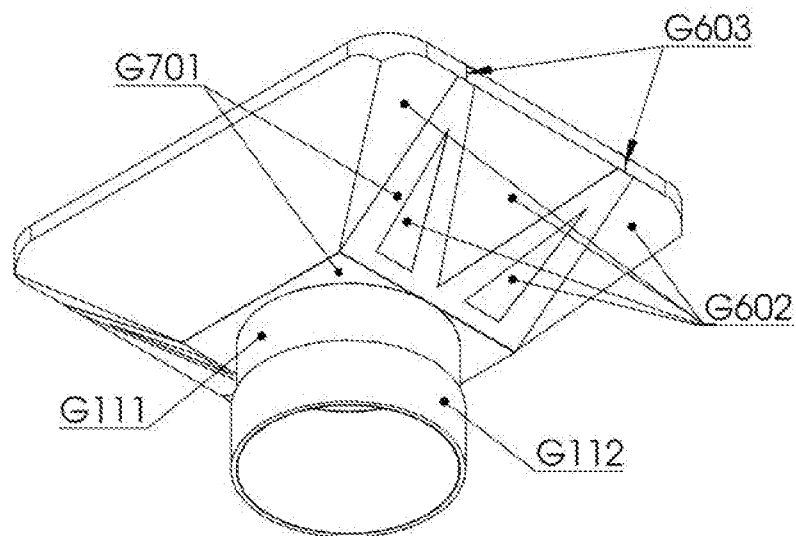
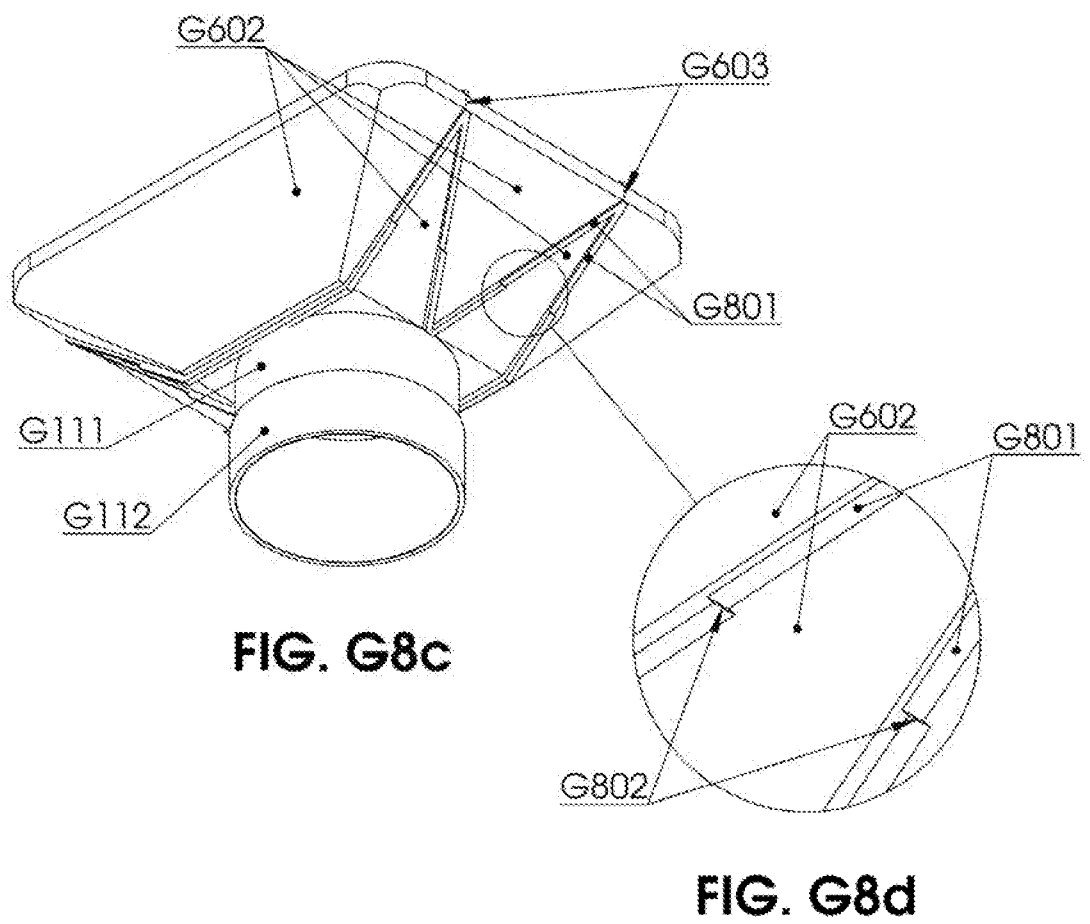
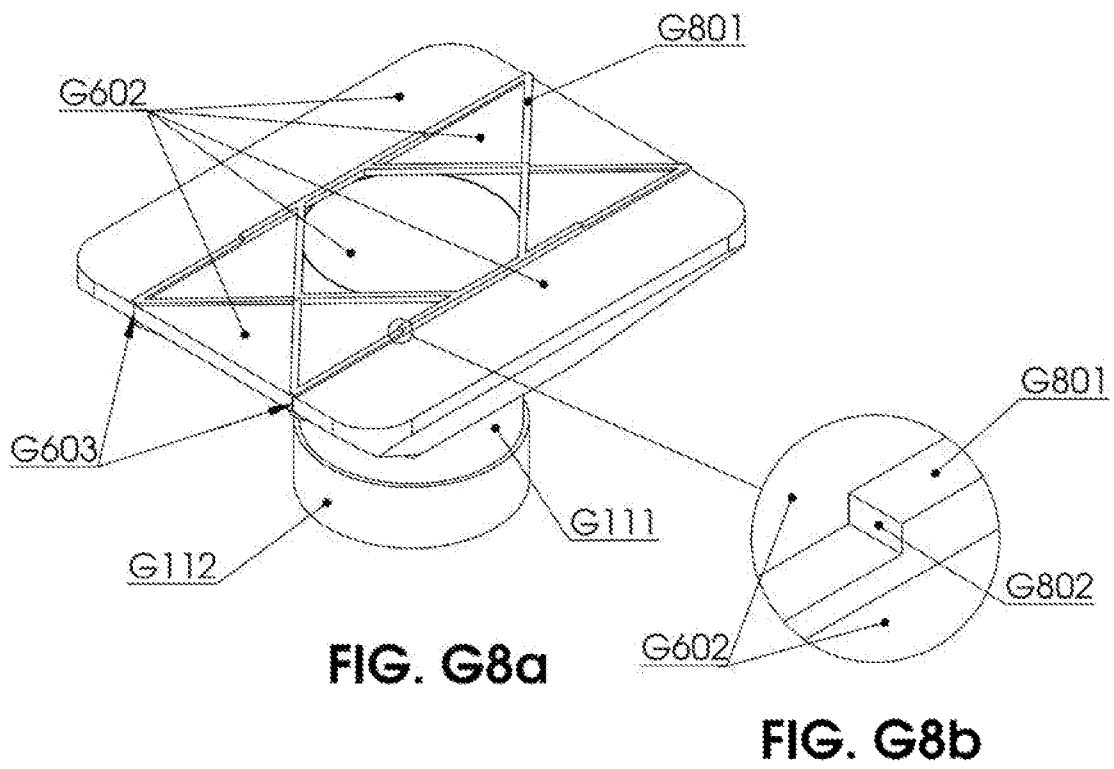


FIG. G6f

**FIG. G7a****FIG. G7b**



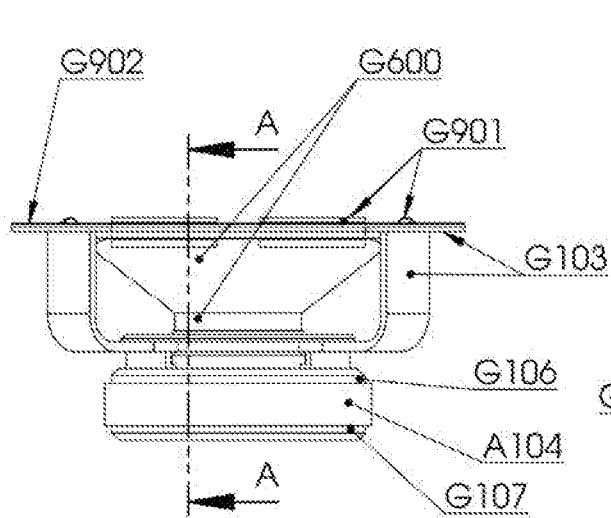


FIG. G9b

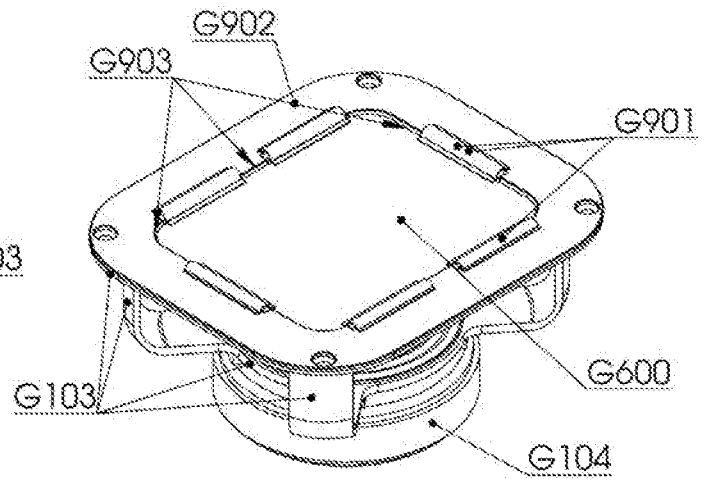


FIG. G9a

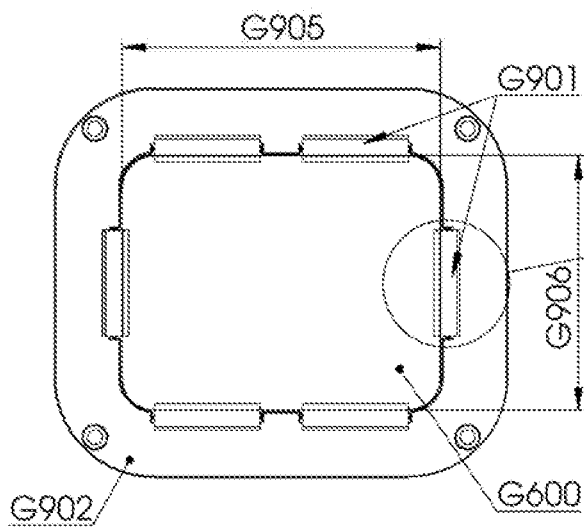


FIG. G9c

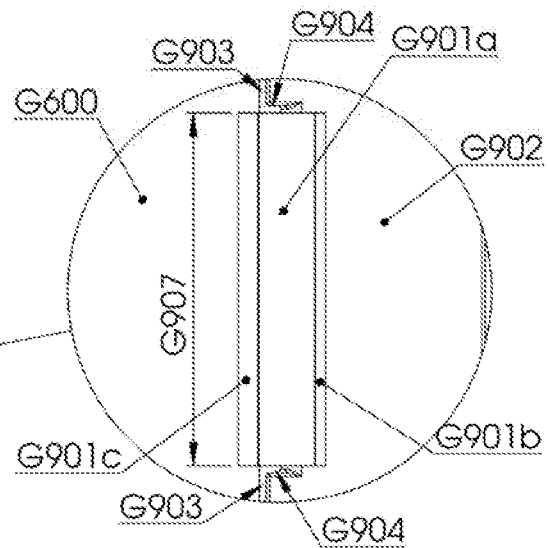


FIG. G9d

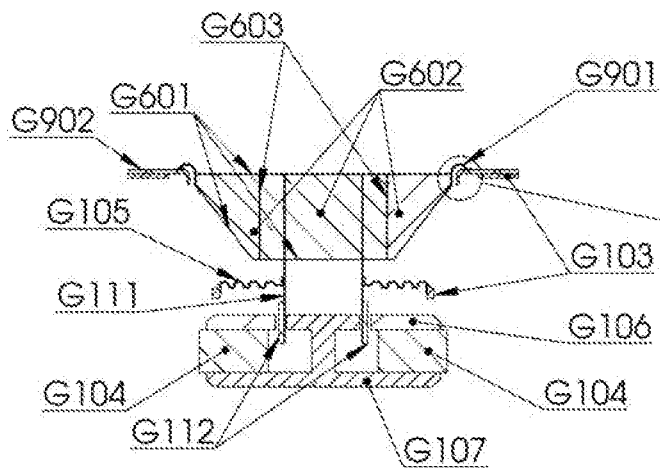


FIG. G9e

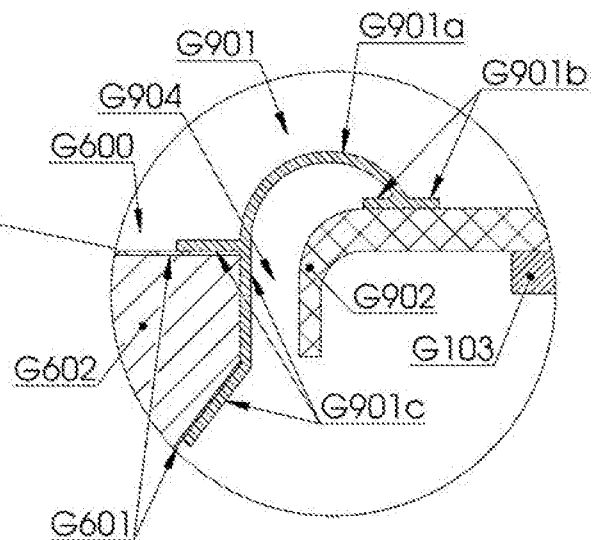
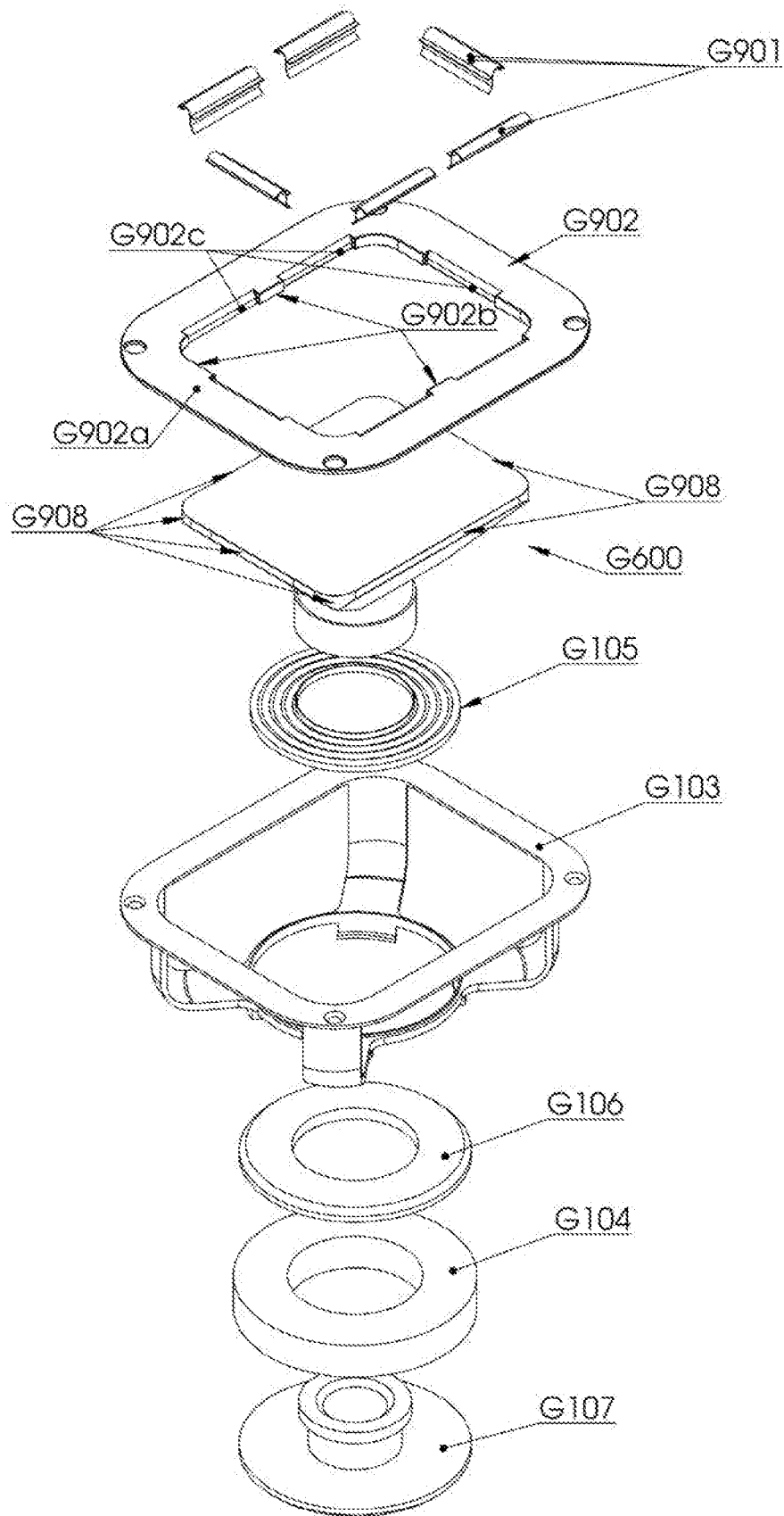


FIG. G9f

**FIG.G9g**

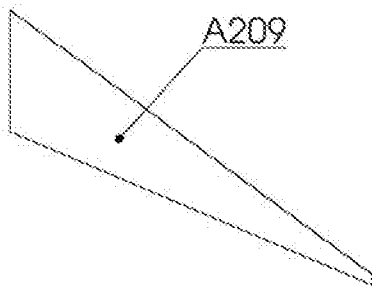


FIG. H1a

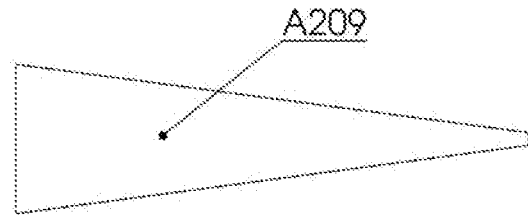


FIG. H1b

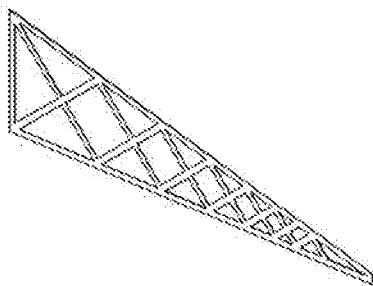


FIG. H1c

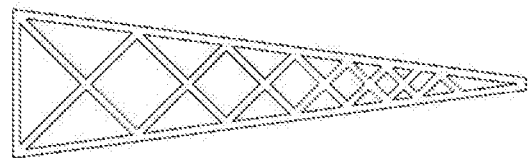


FIG. H1d

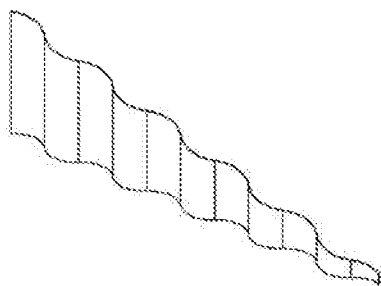


FIG. H1e

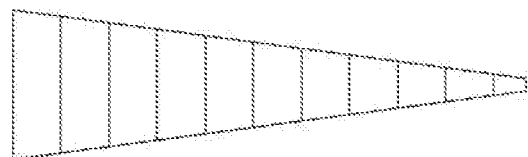


FIG. H1f

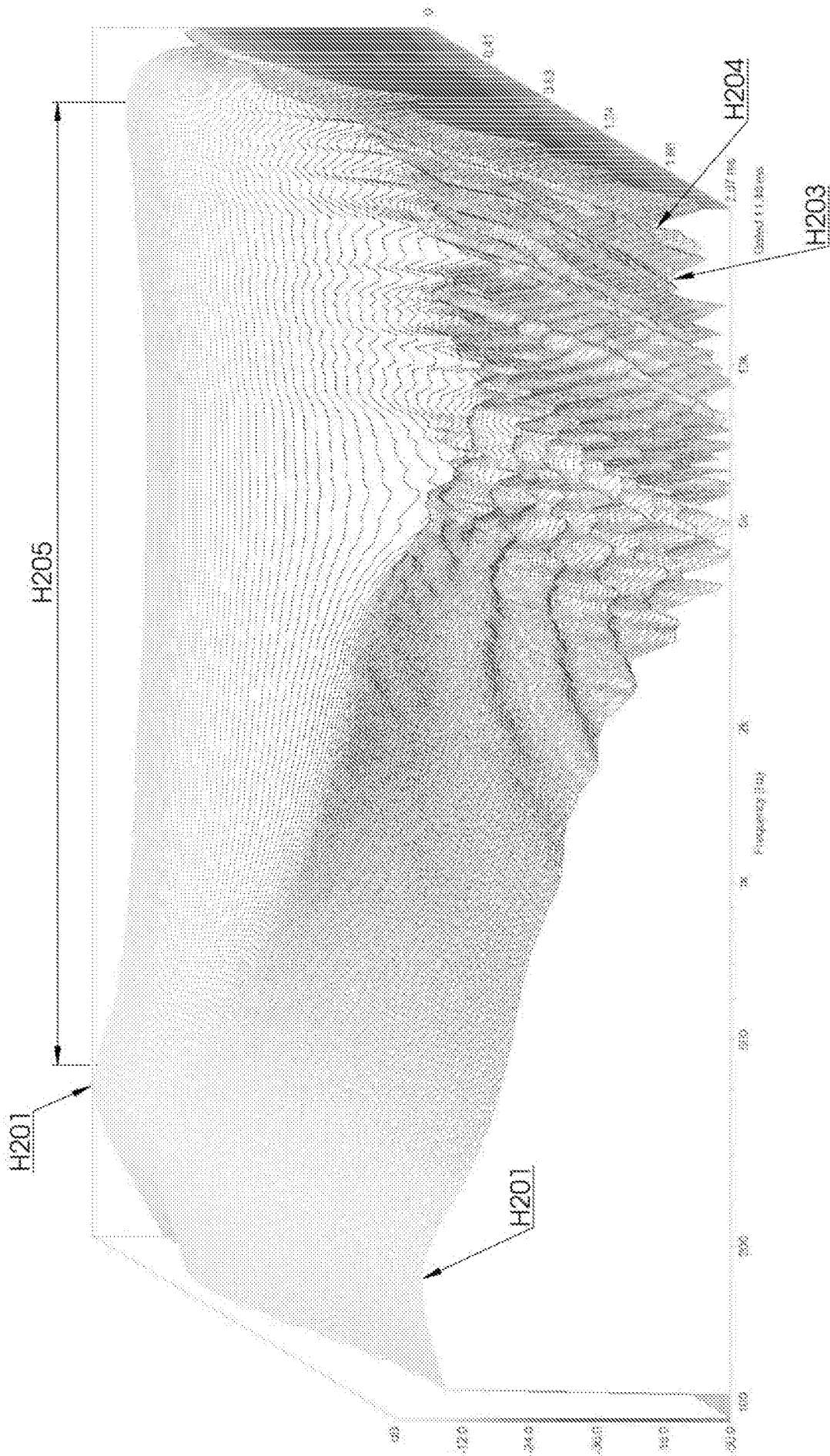
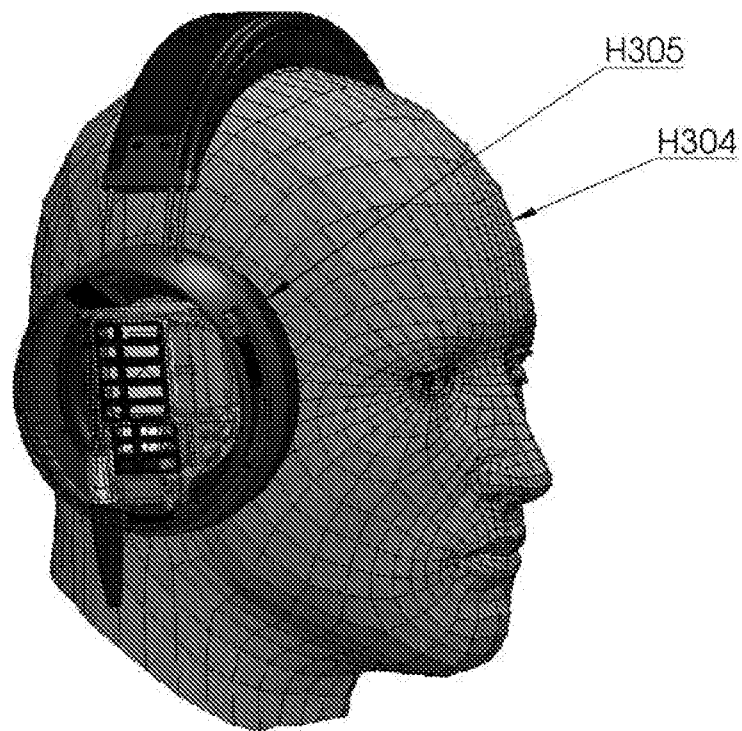
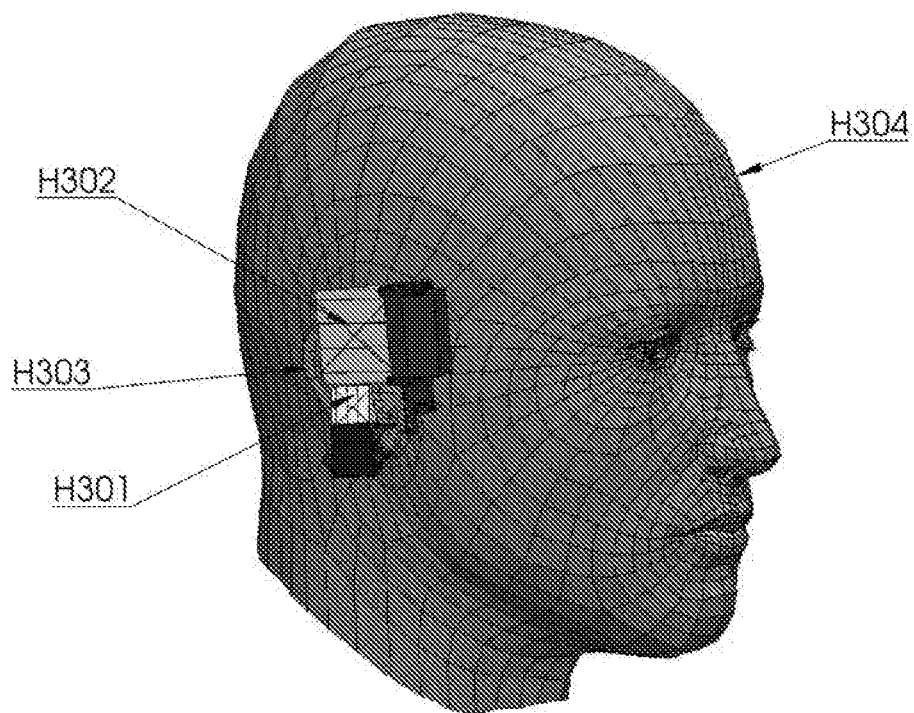
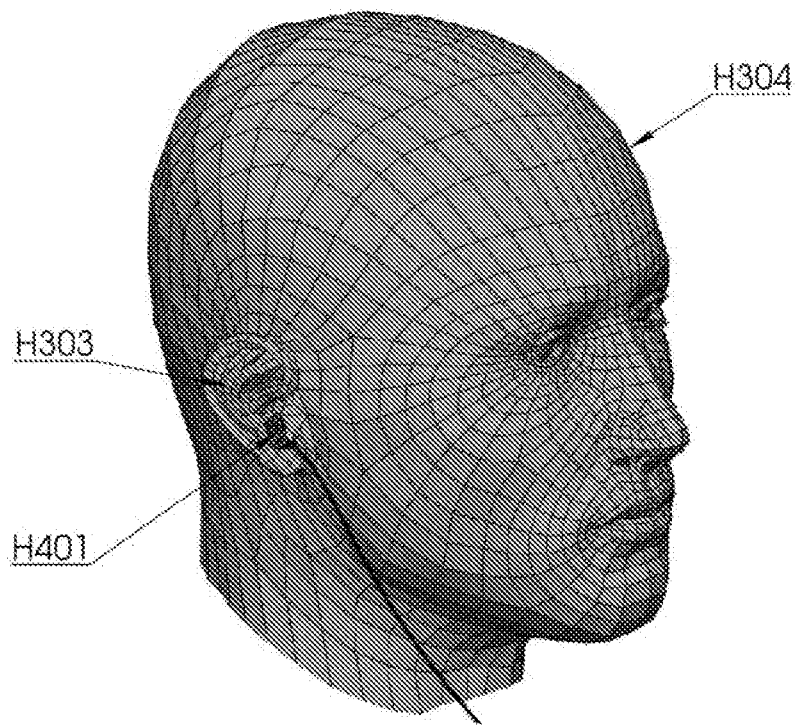
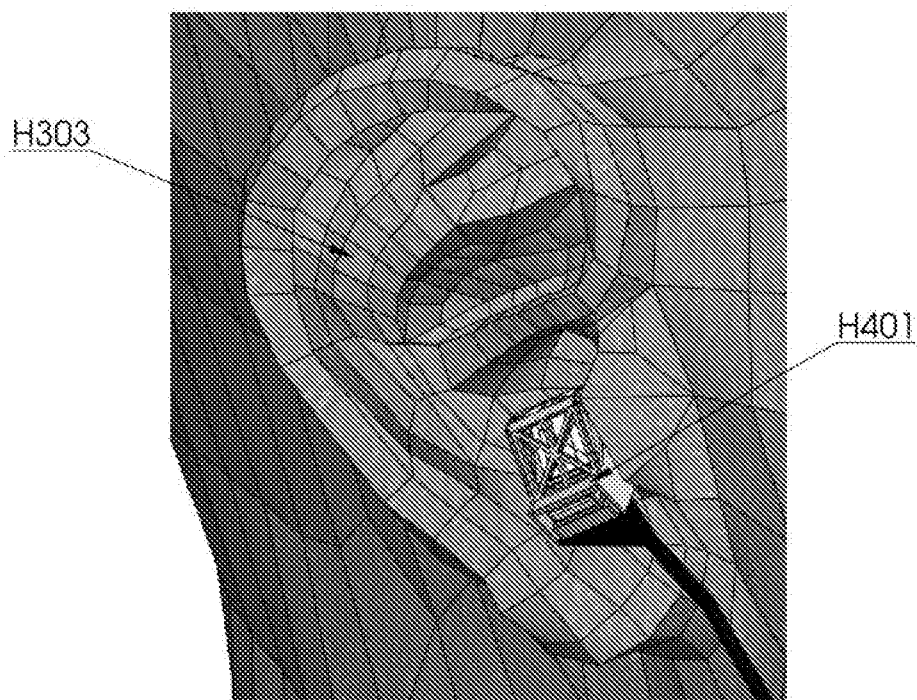


FIG. H2a

**FIG. H3a****FIG. H3b**

**FIG. H4a****FIG. H4b**

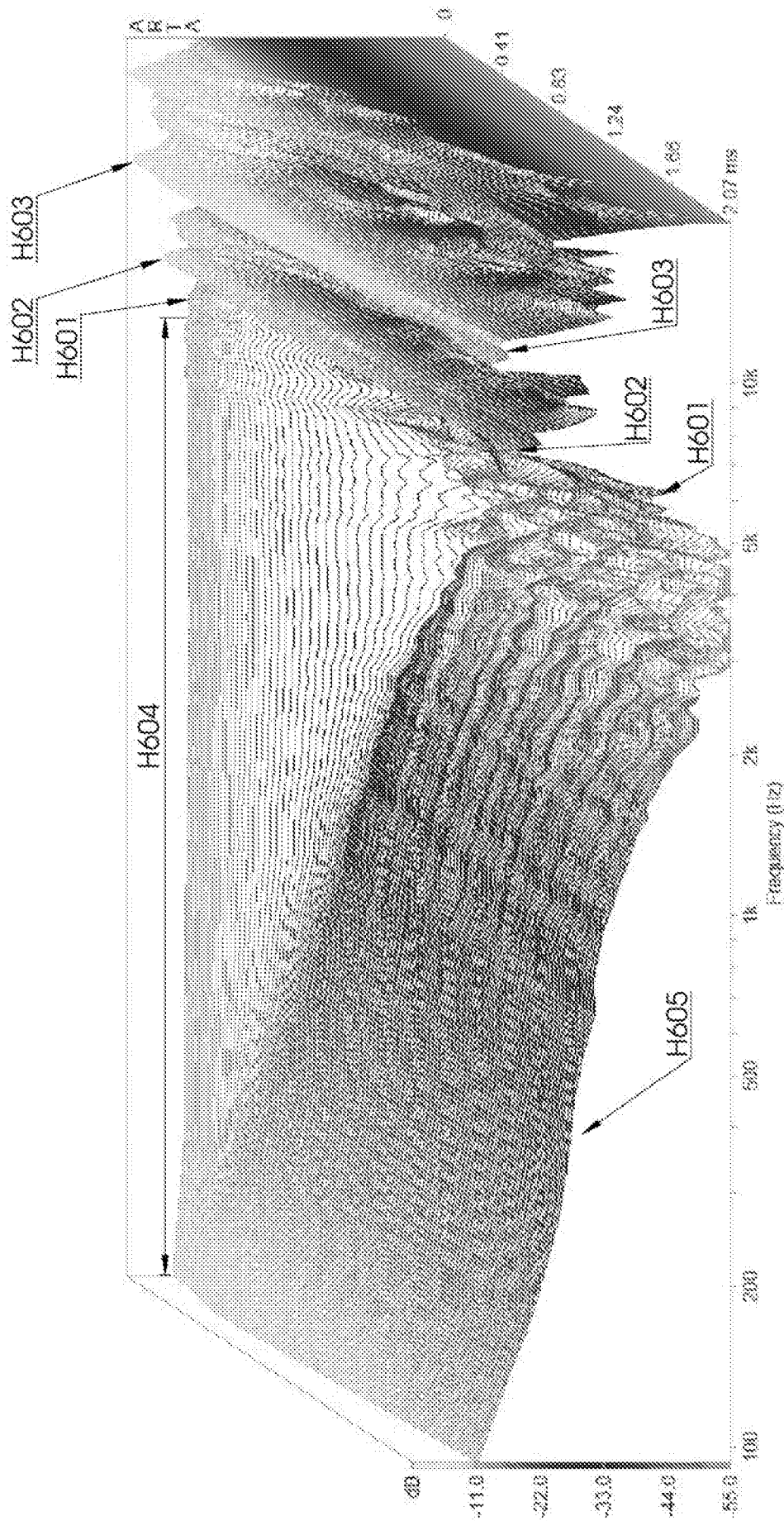
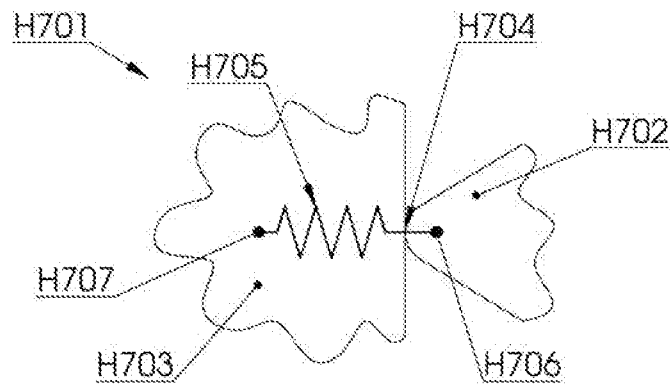
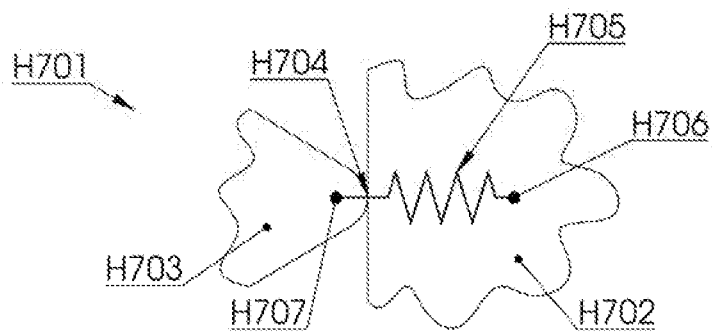
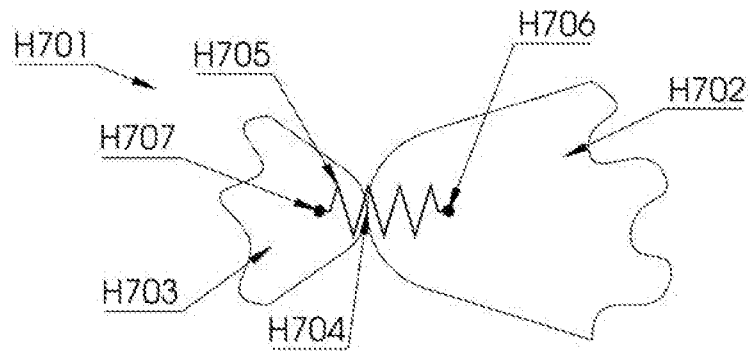
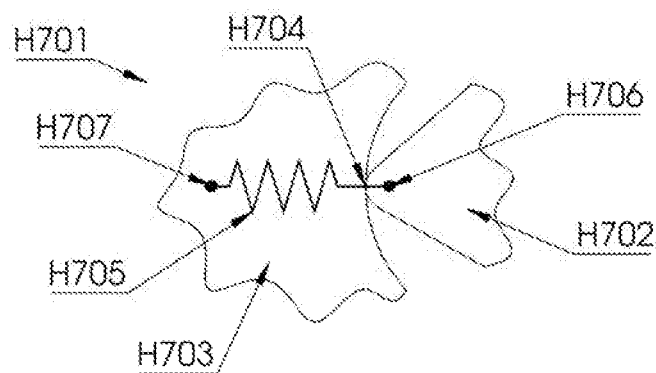
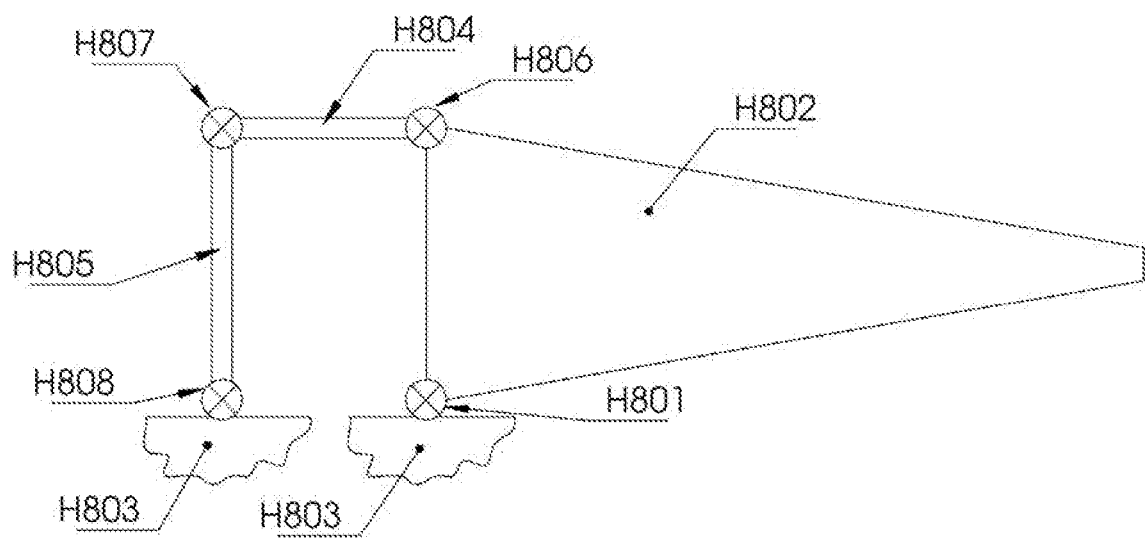
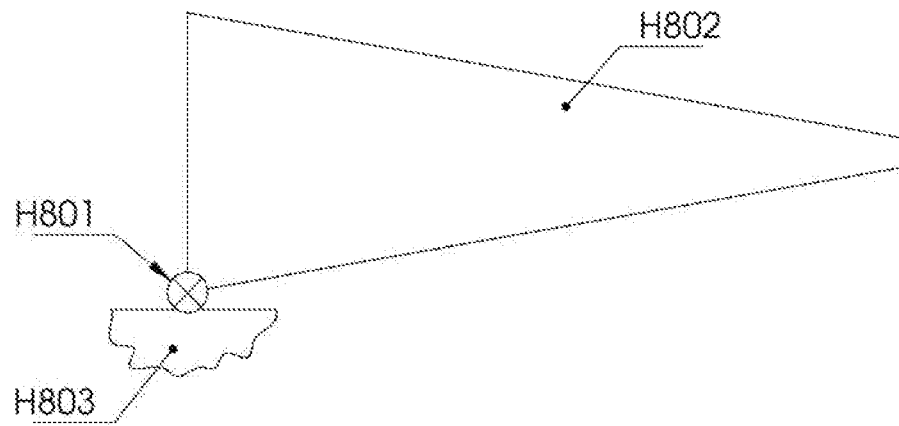
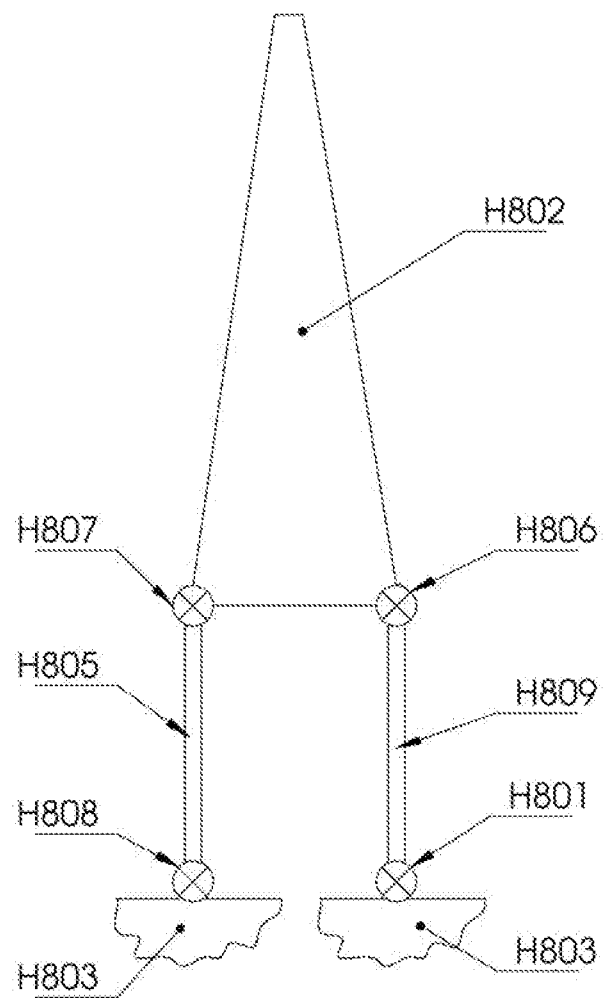


FIG. H6a

**FIG. H7a****FIG. H7b****FIG. H7c****FIG. H7d**



**FIG. H8c**



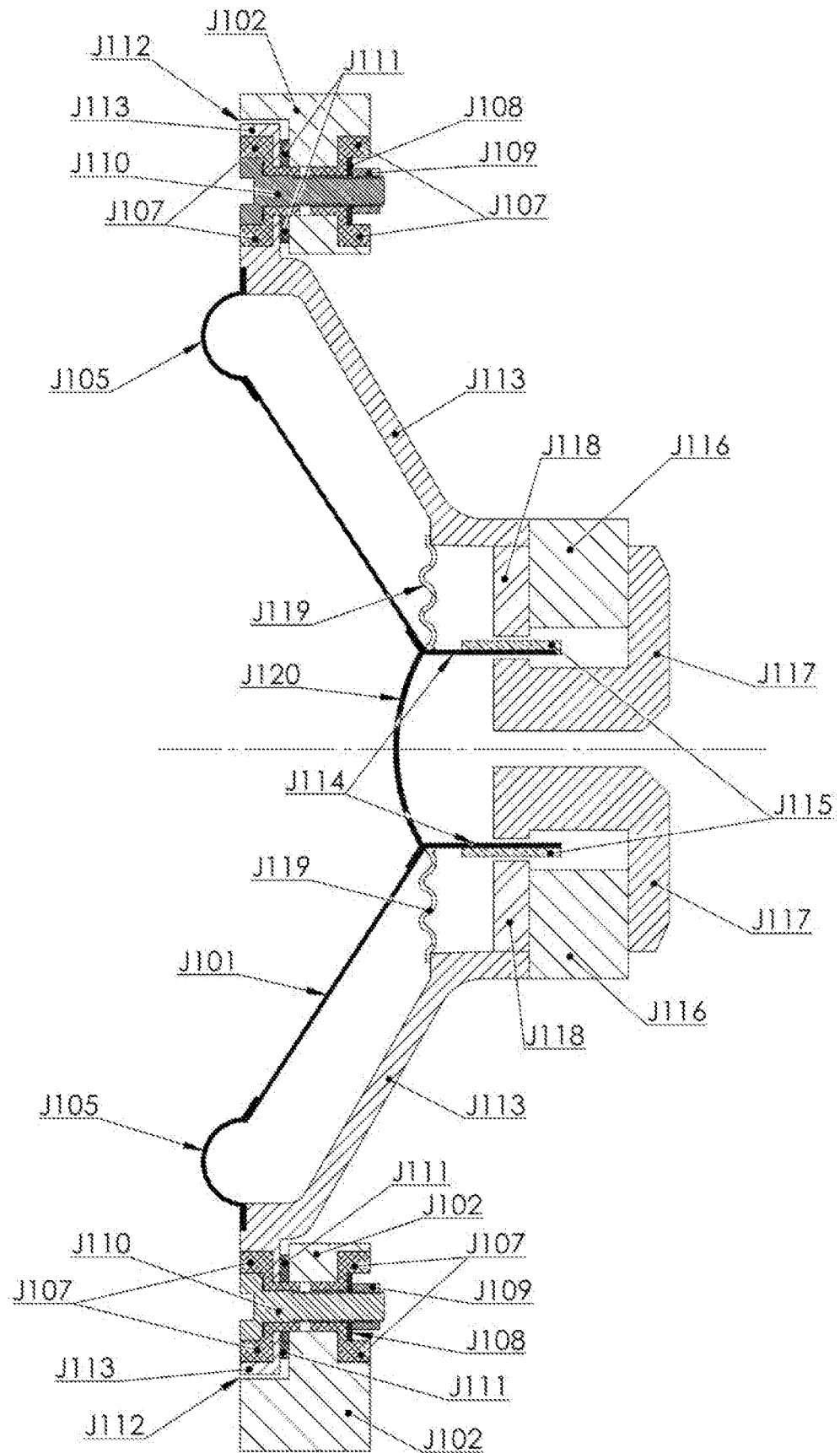


FIG. J1e
PRIOR ART

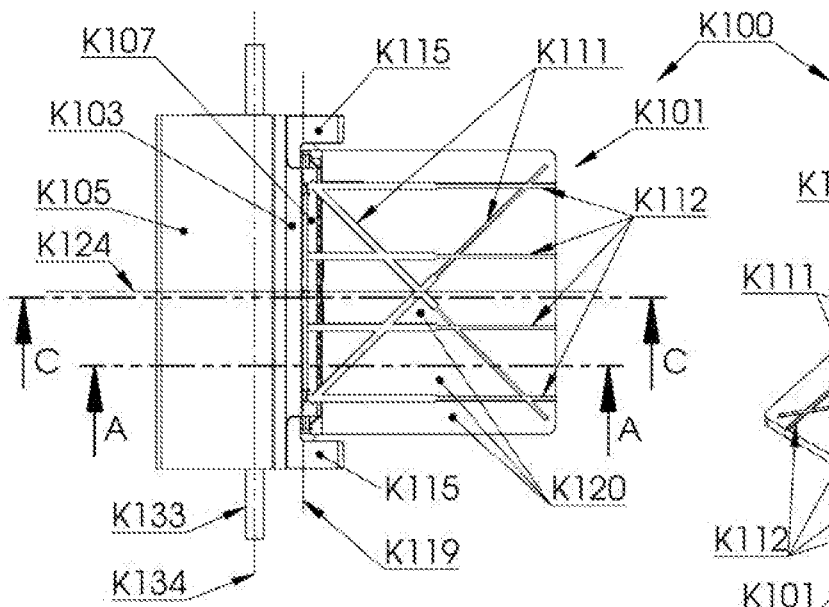


FIG. K1b

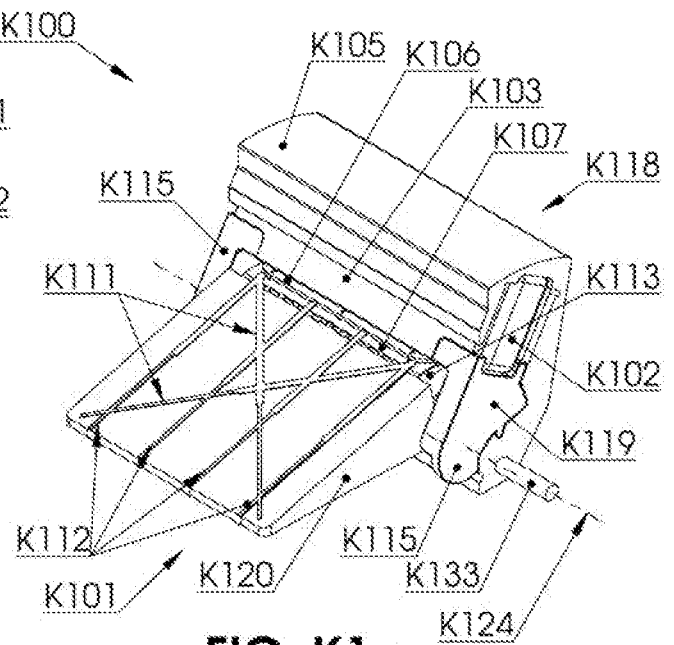


FIG. K1a

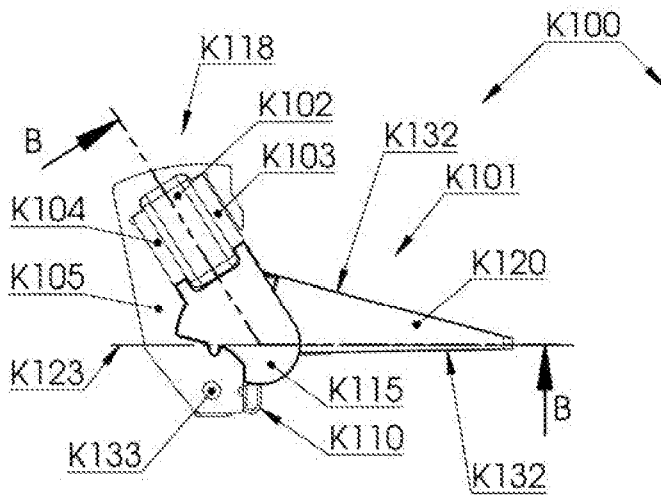


FIG. K1c

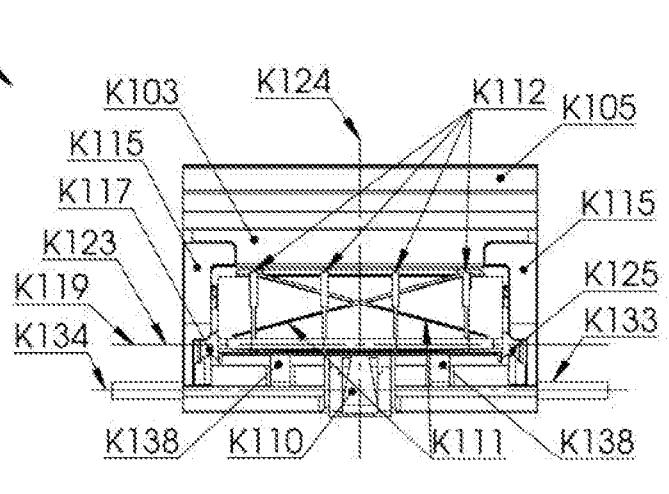


FIG. K1d

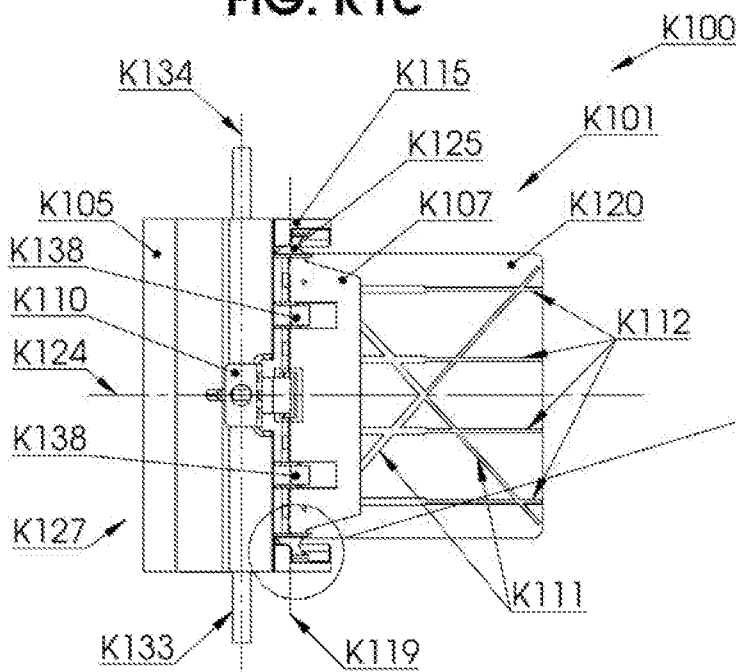


FIG. K1e

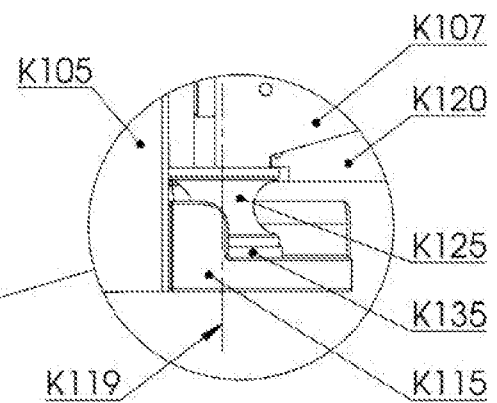


FIG. K1f

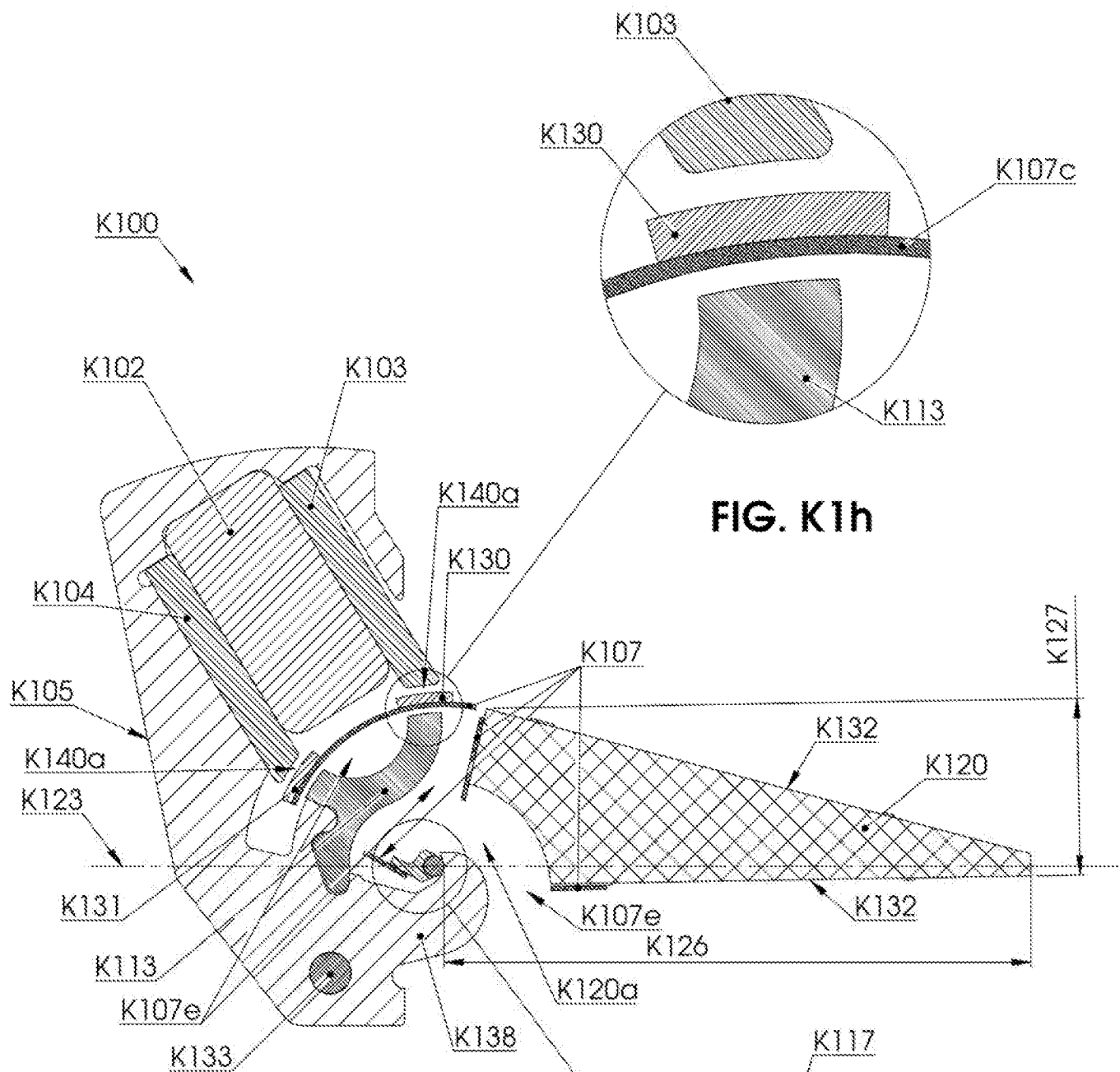


FIG. K1g
SECTION A-A

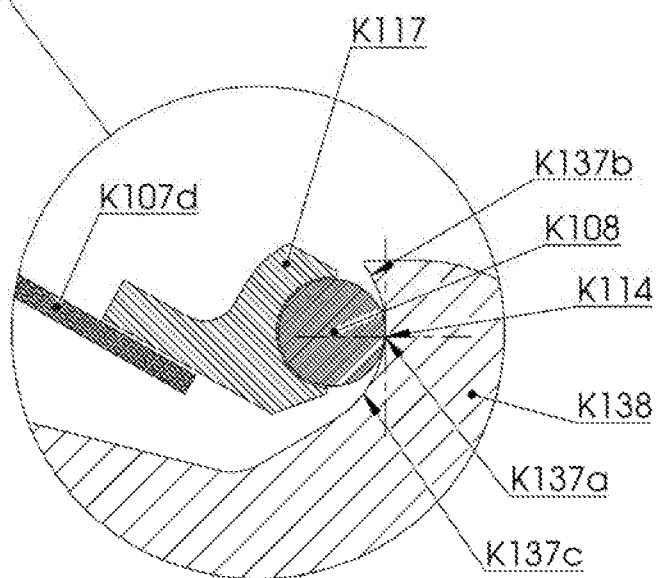


FIG. K1i

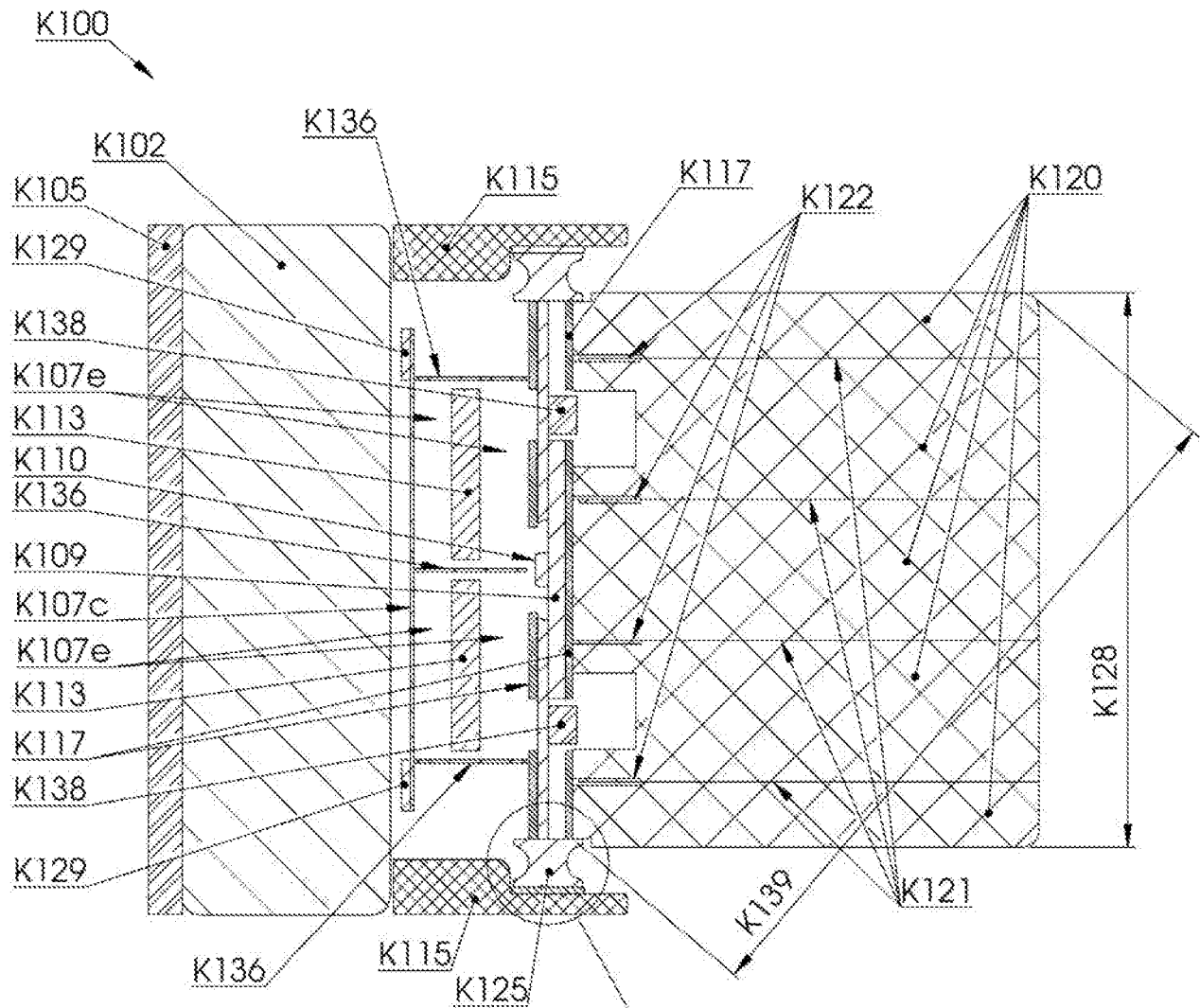


FIG. K1j
SECTION B-B

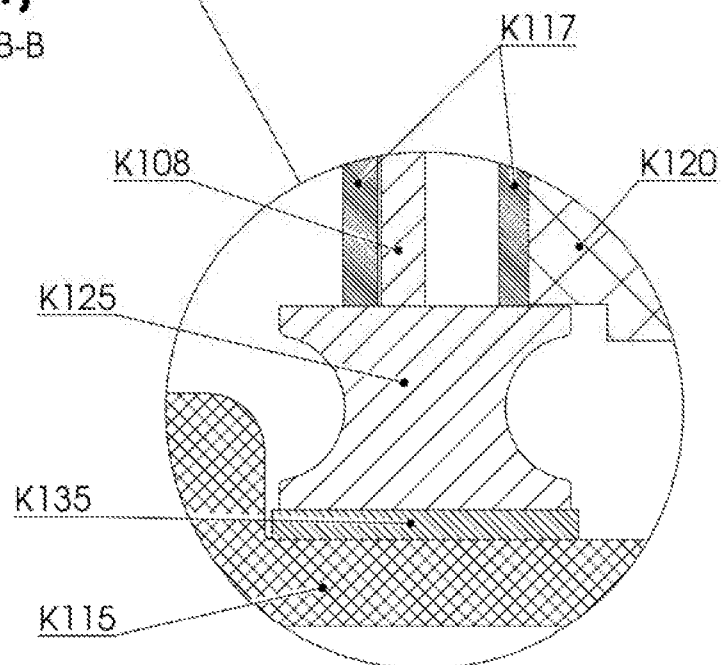
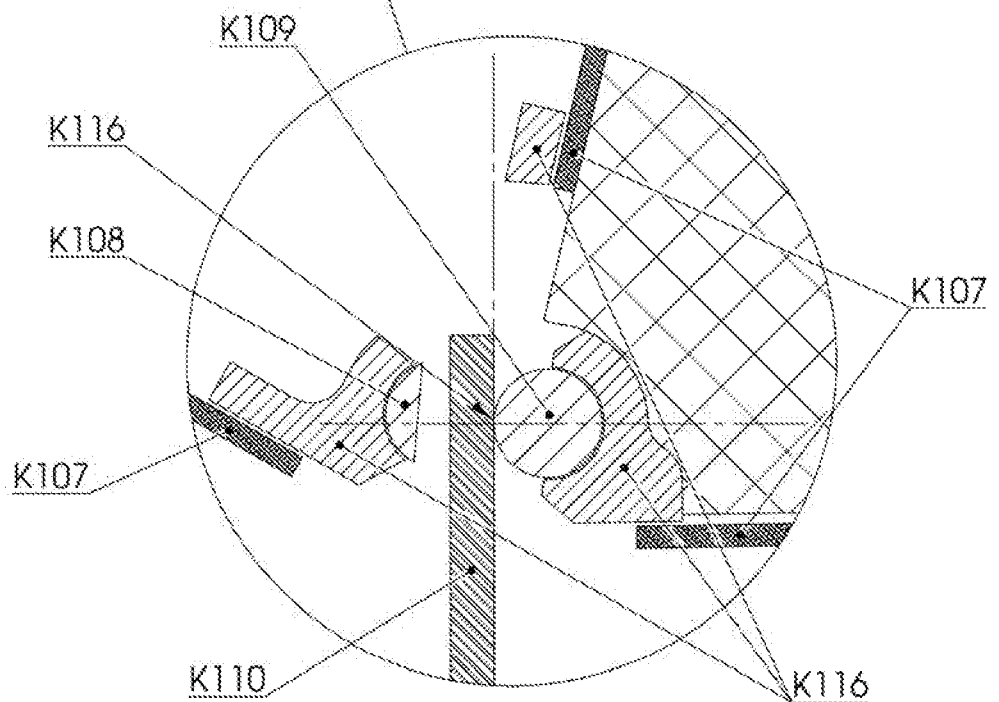
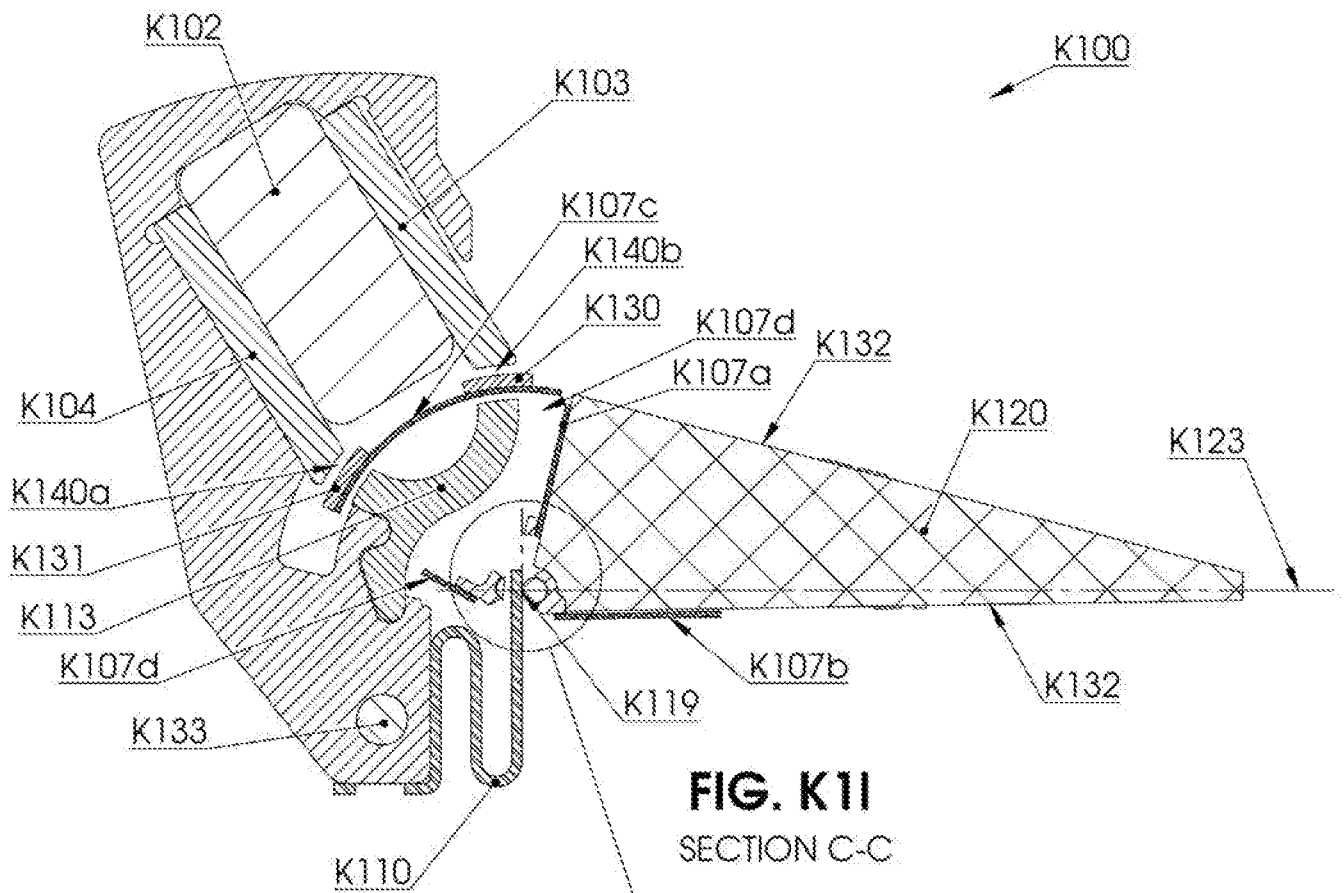


FIG. K1k



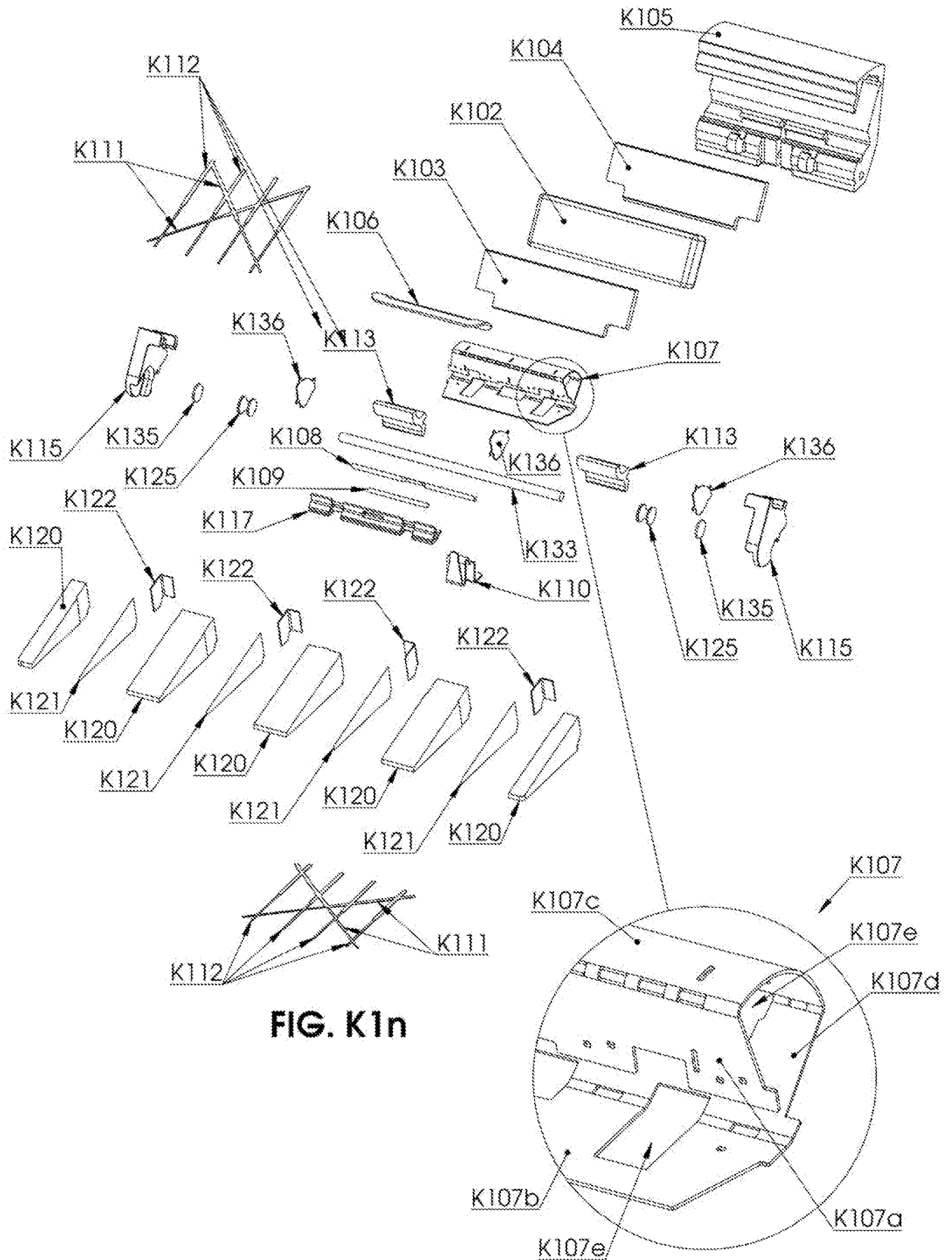


FIG. K1n

FIG. K1o

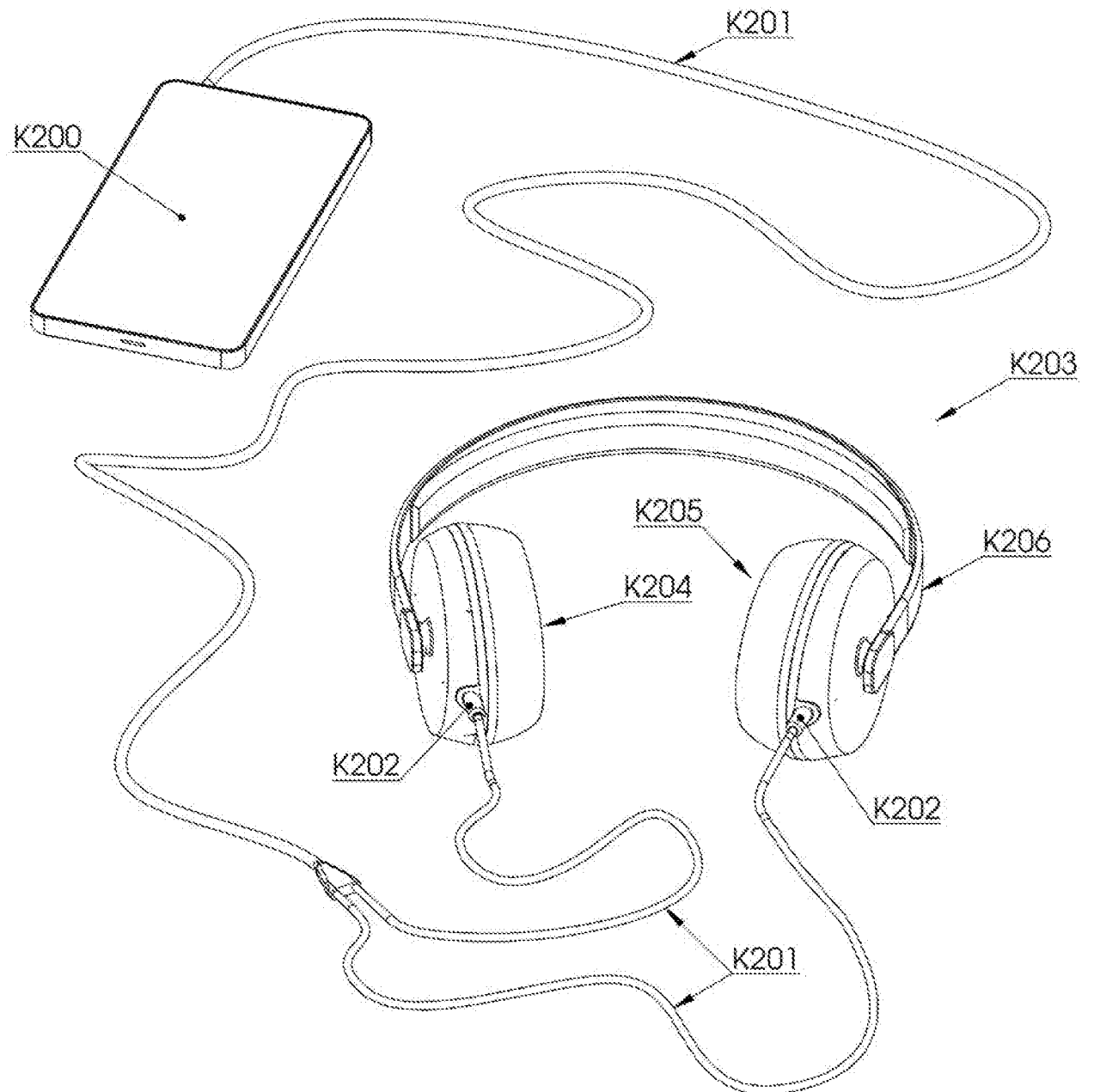


FIG. K2a

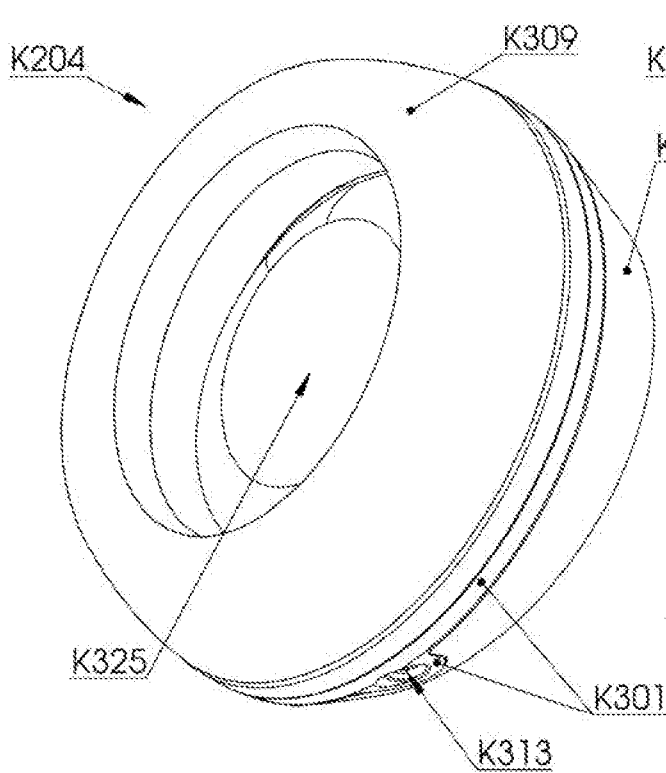


FIG. K3a

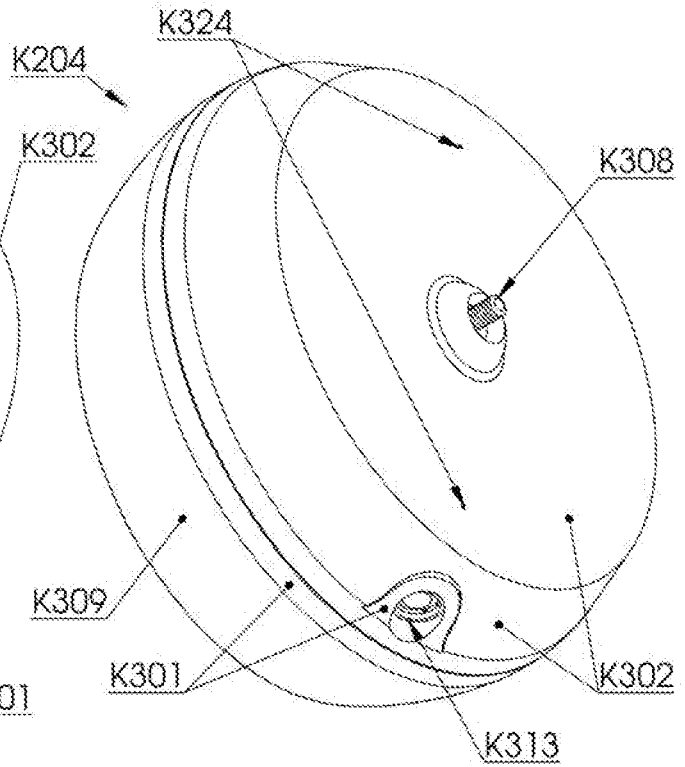


FIG. K3b

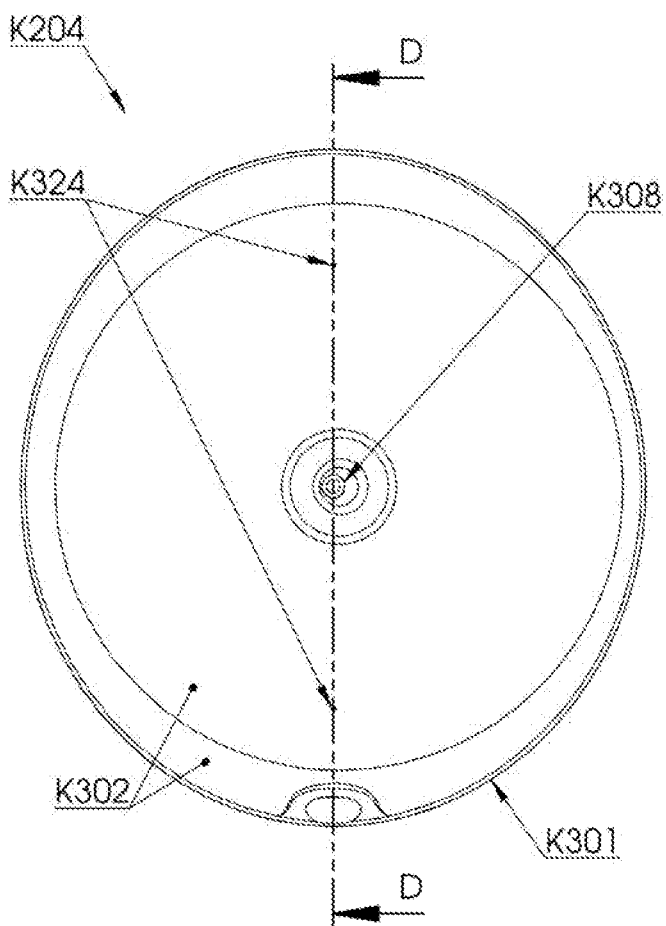
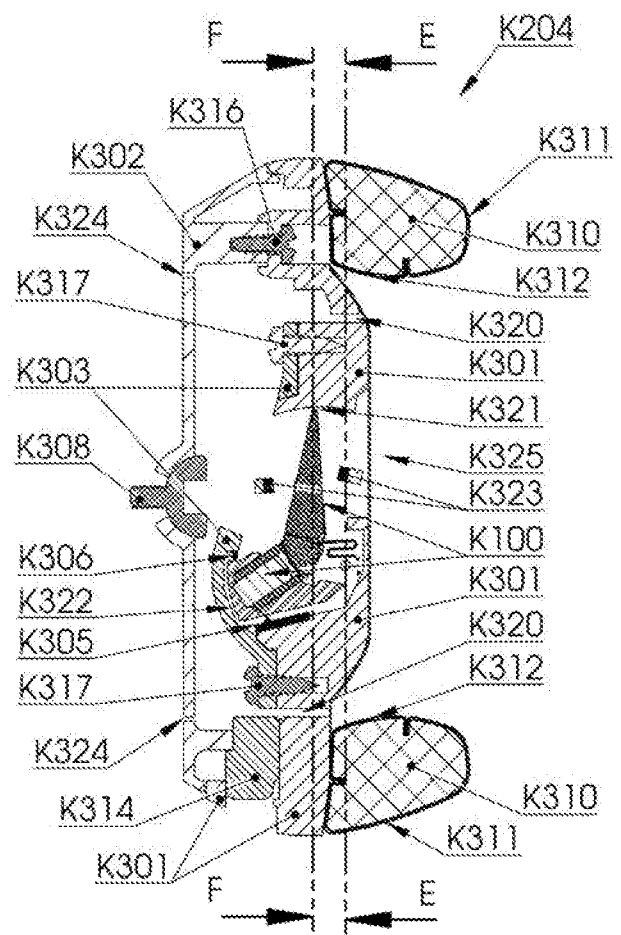


FIG. K3c

FIG. K3d
SECTION D-D

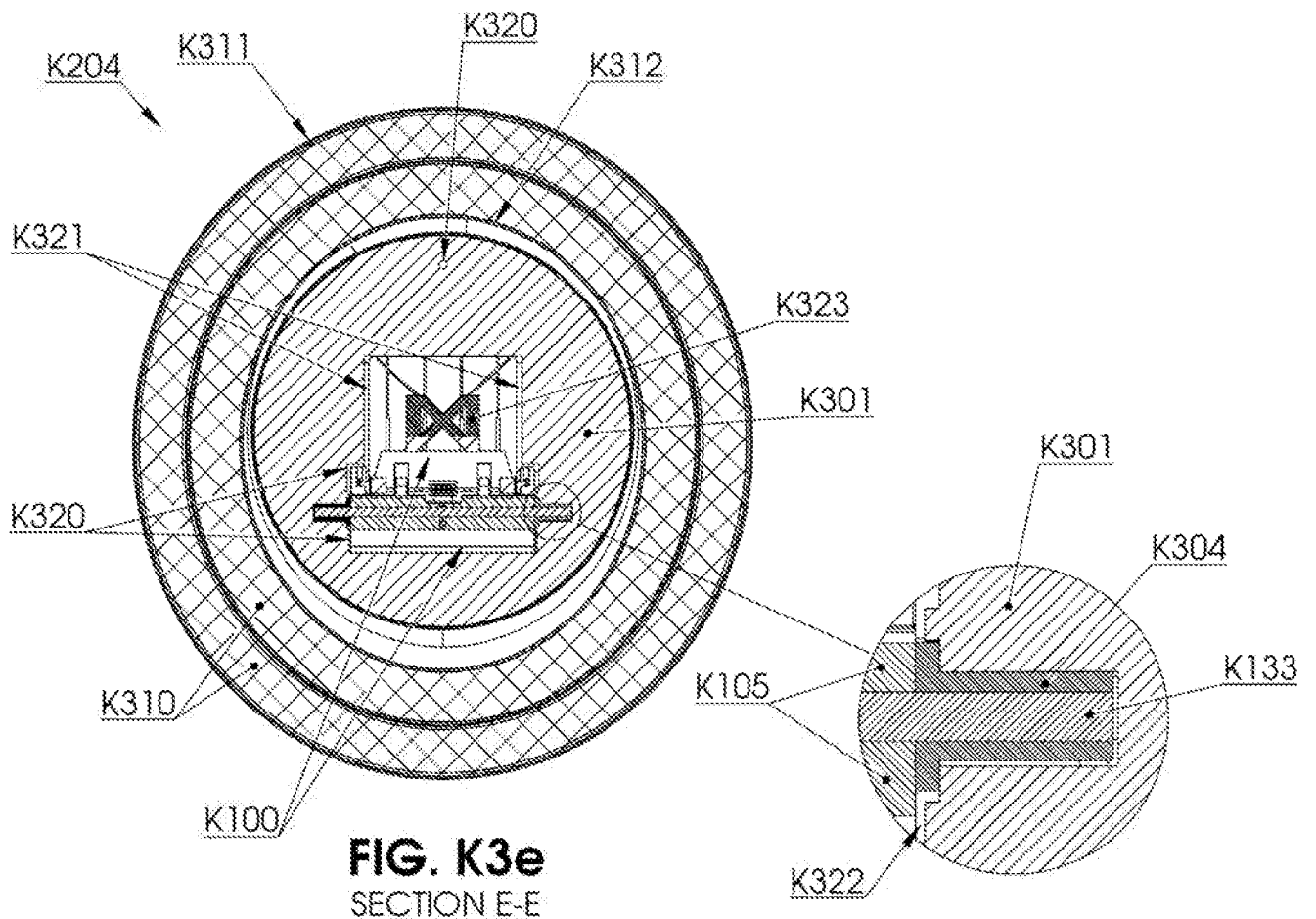


FIG. K3e
SECTION E-E

FIG. K3f

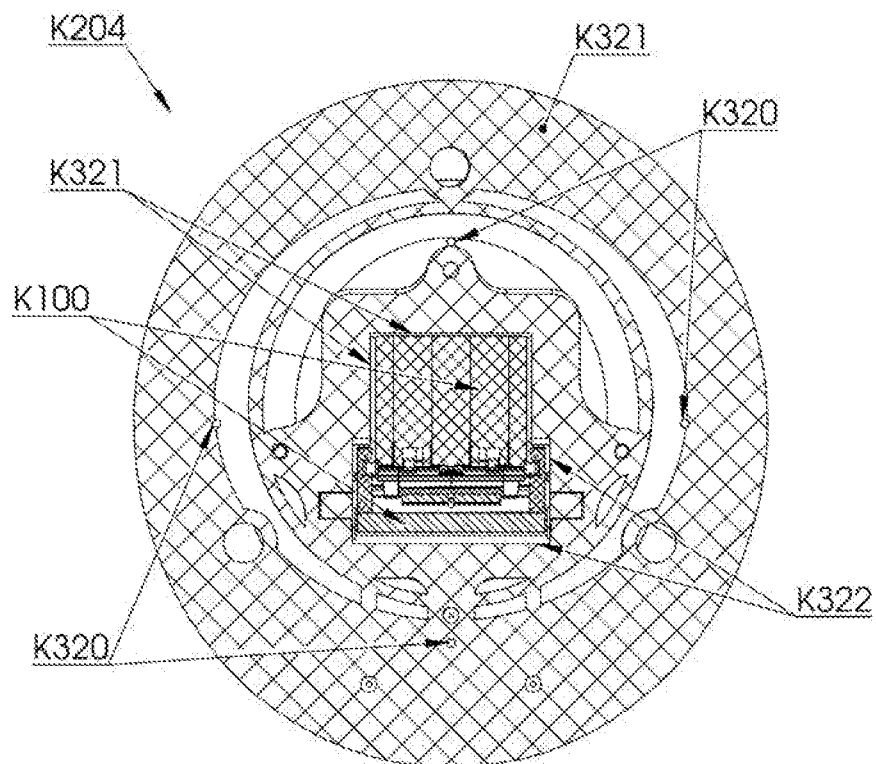


FIG. K3g
SECTION F-F

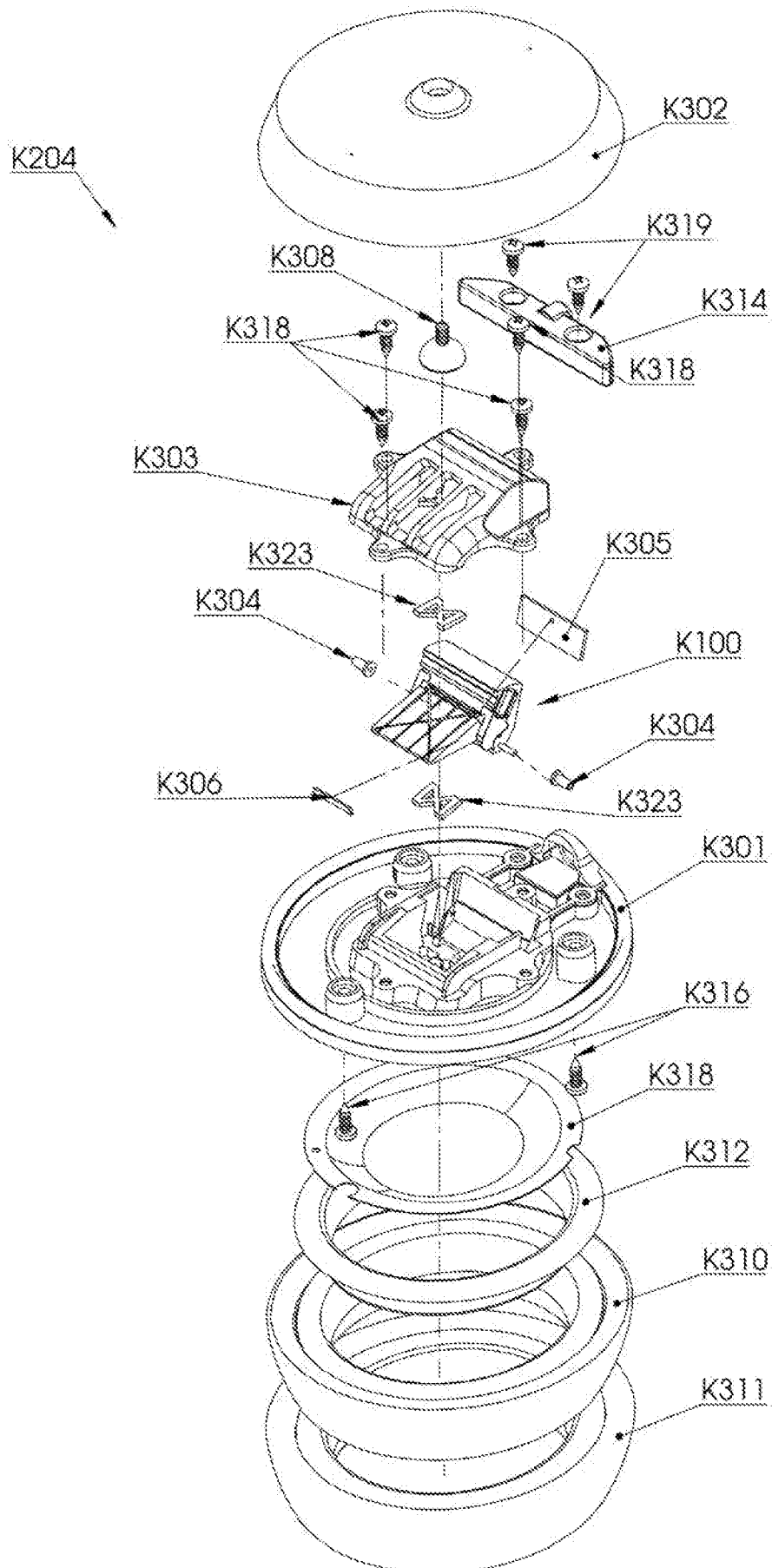


FIG. K3h

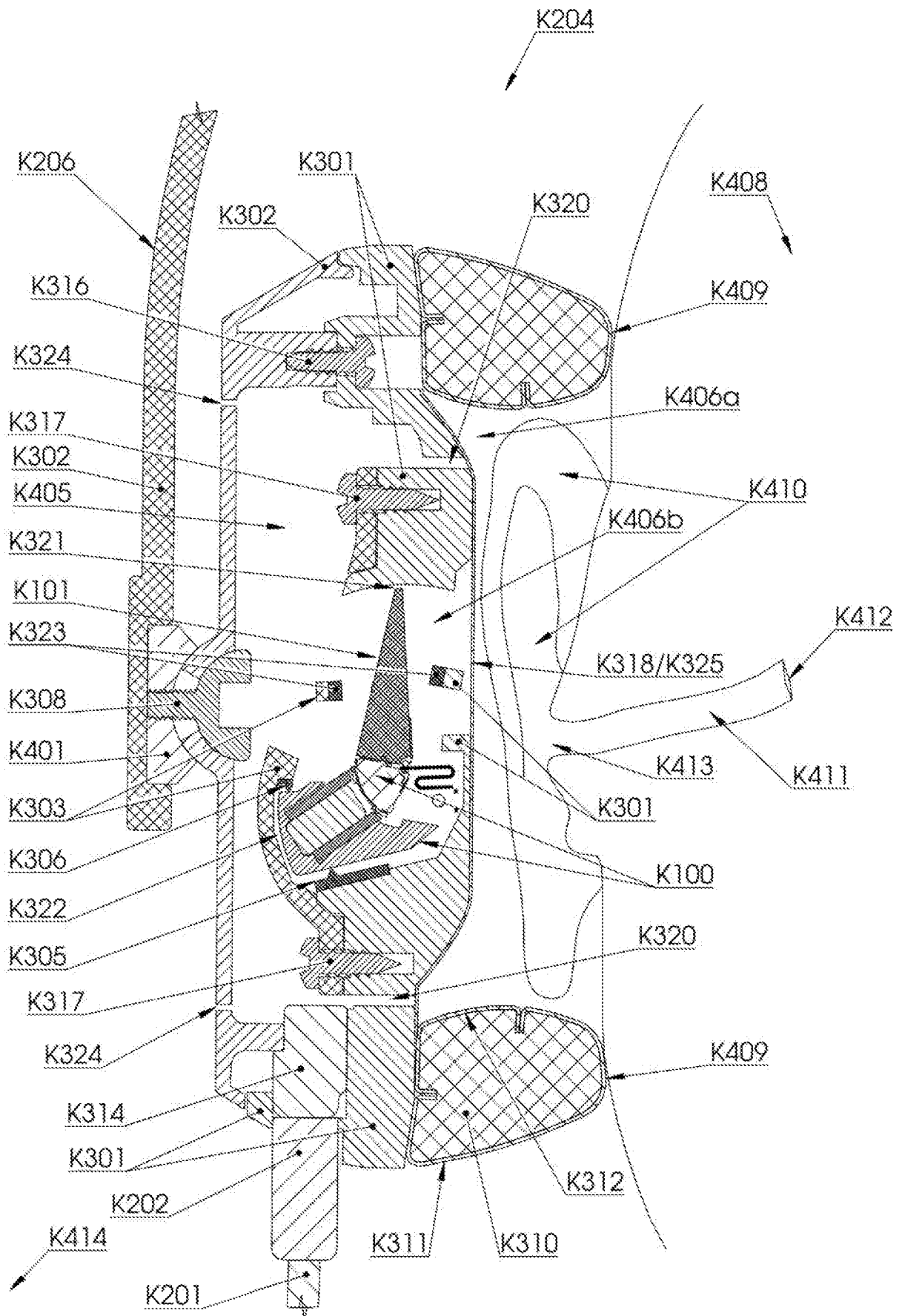


FIG. K4a

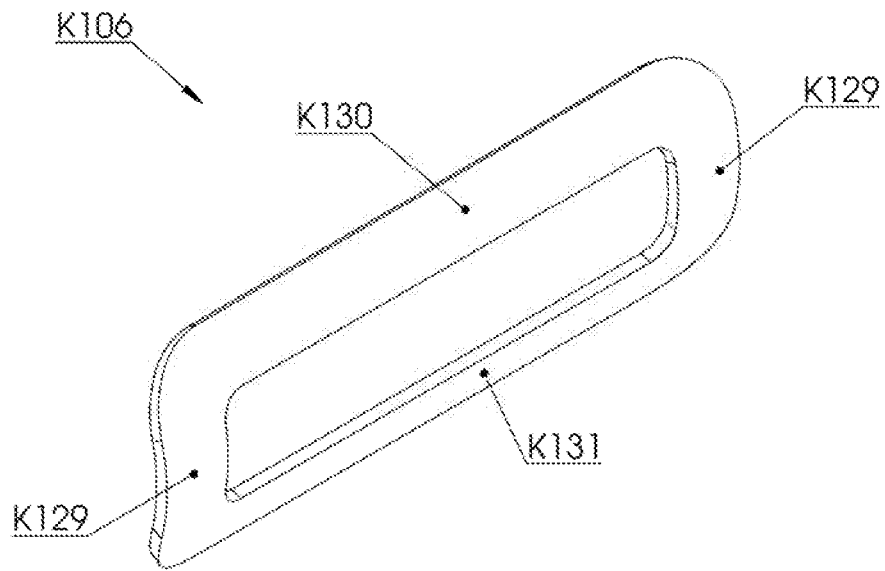


FIG. K5a

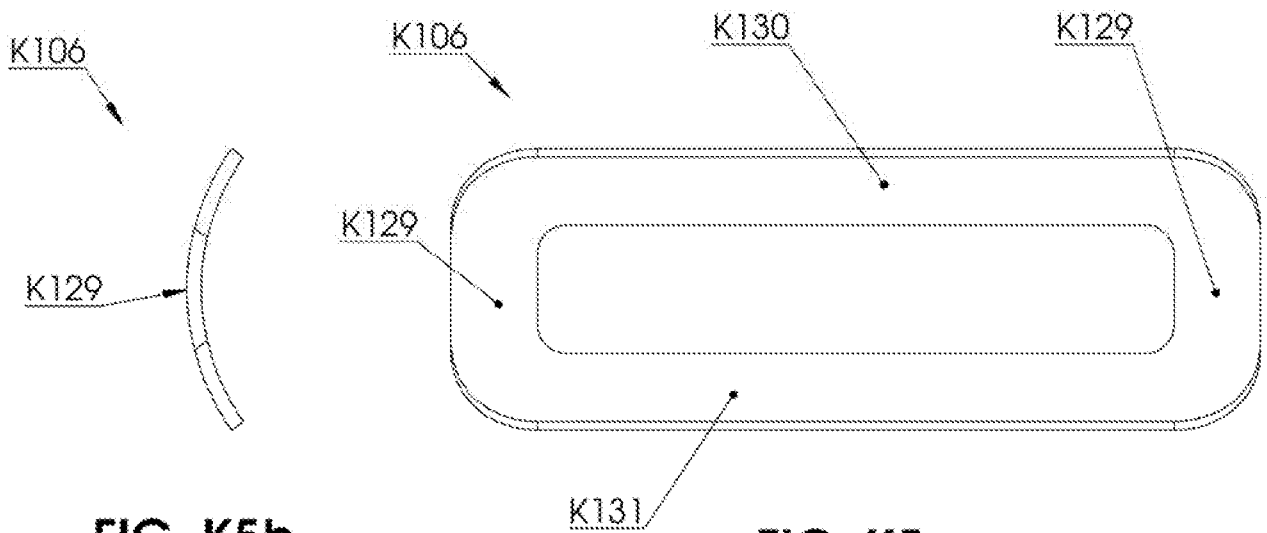


FIG. K5b

FIG. K5c

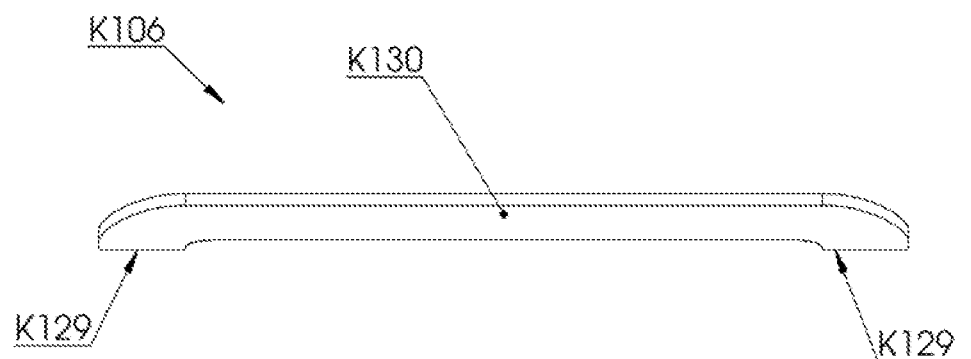
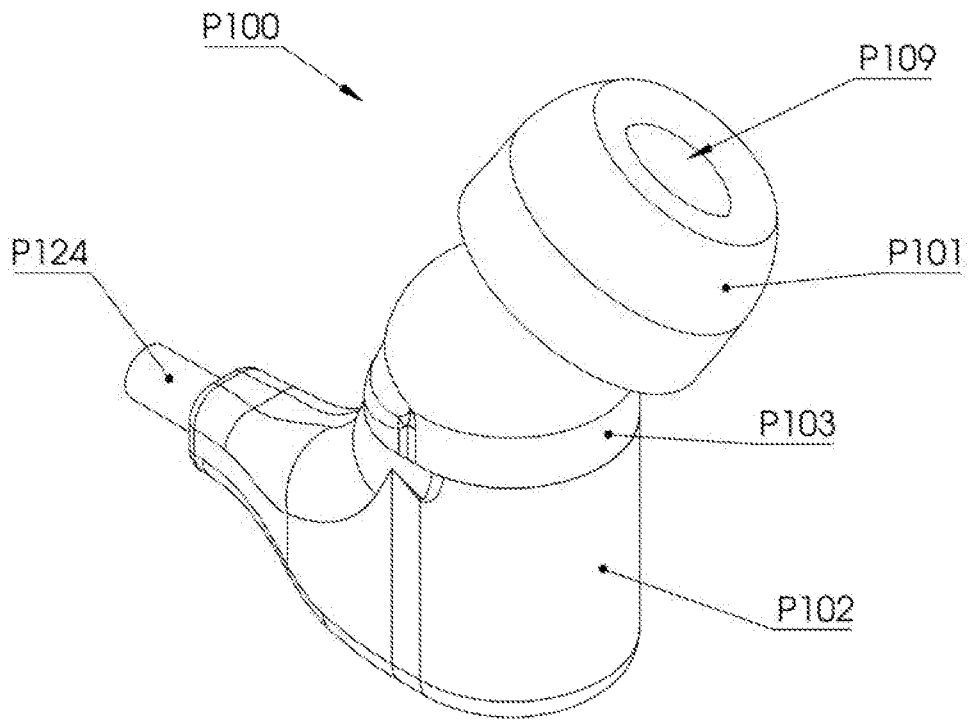
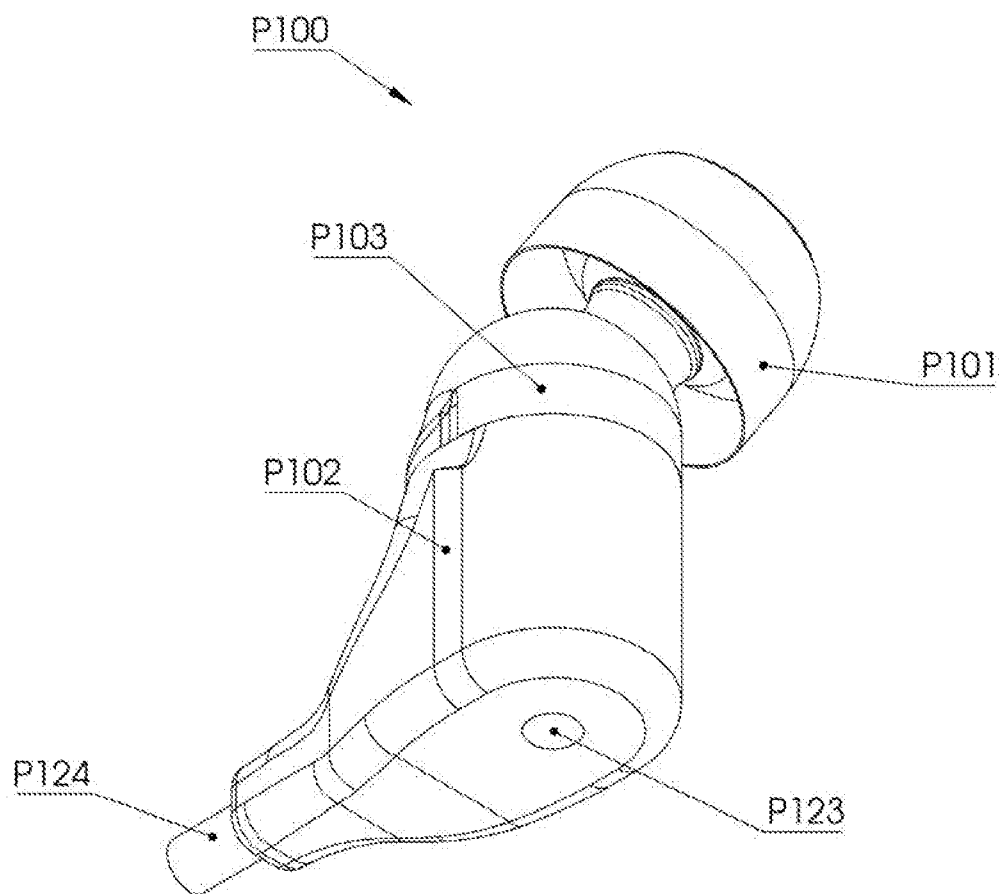
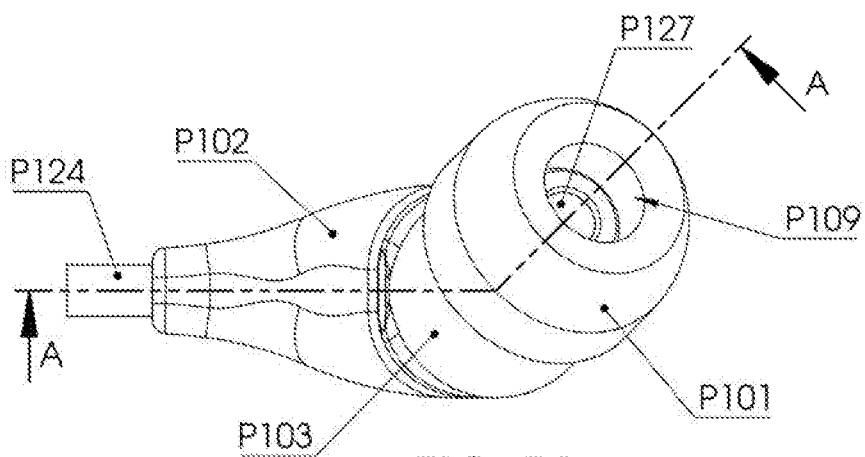
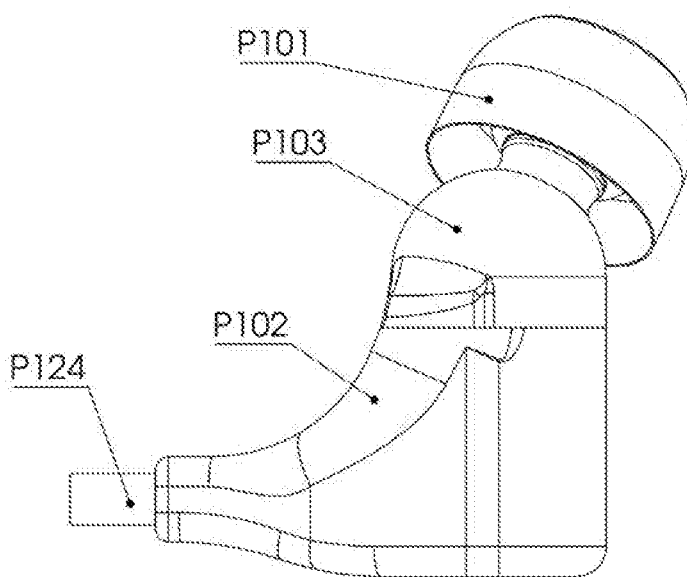
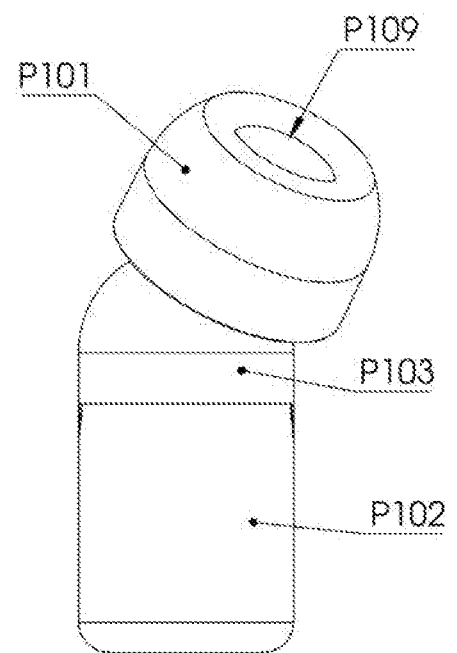
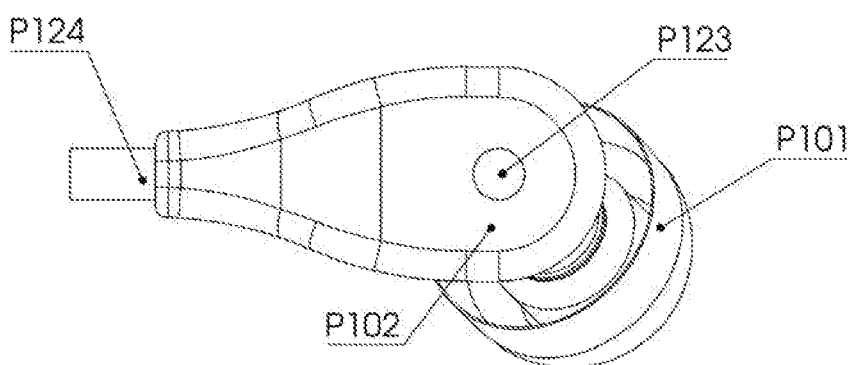
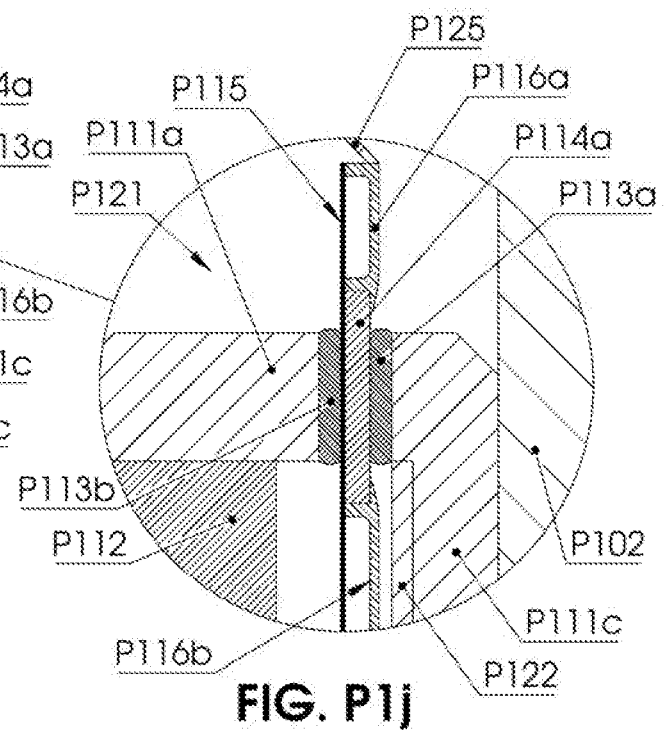
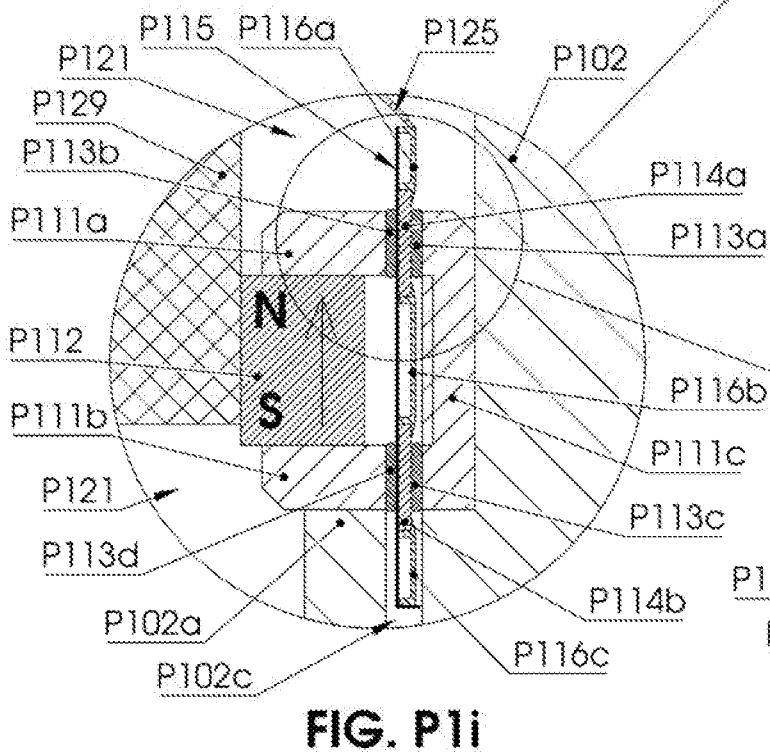
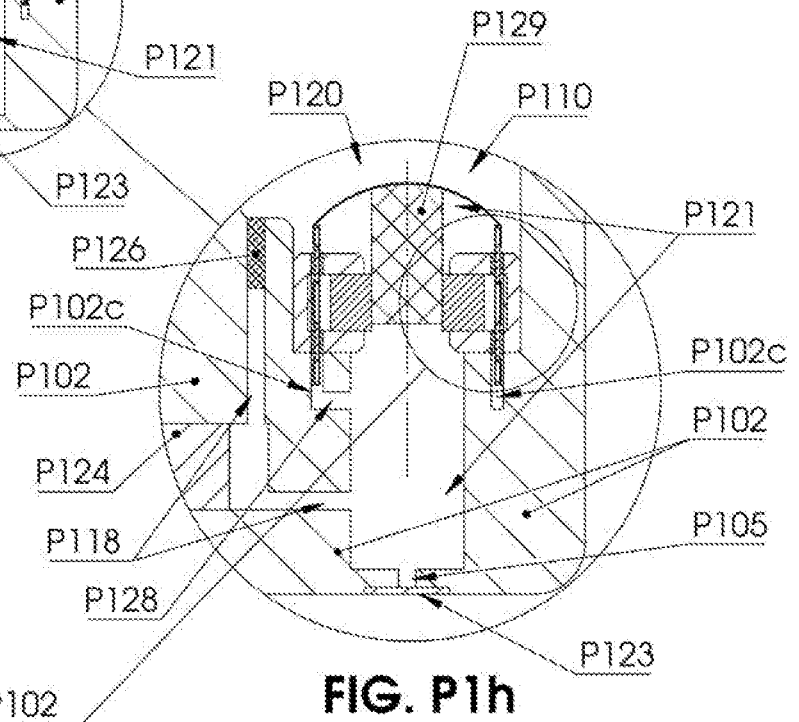
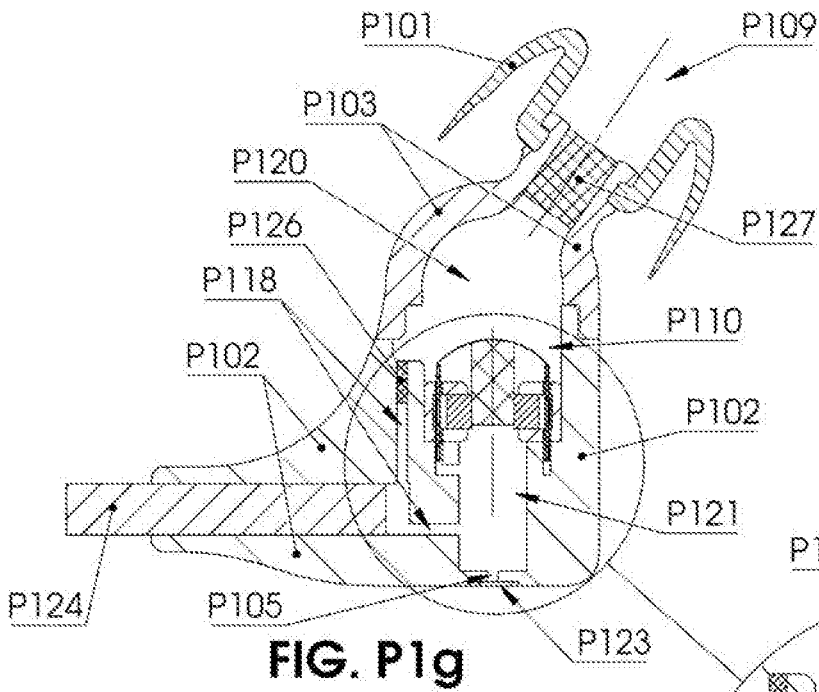


FIG. K5d

**FIG. P1a****FIG. P1b**

**FIG. P1c****FIG. P1d****FIG. P1e****FIG. P1f**



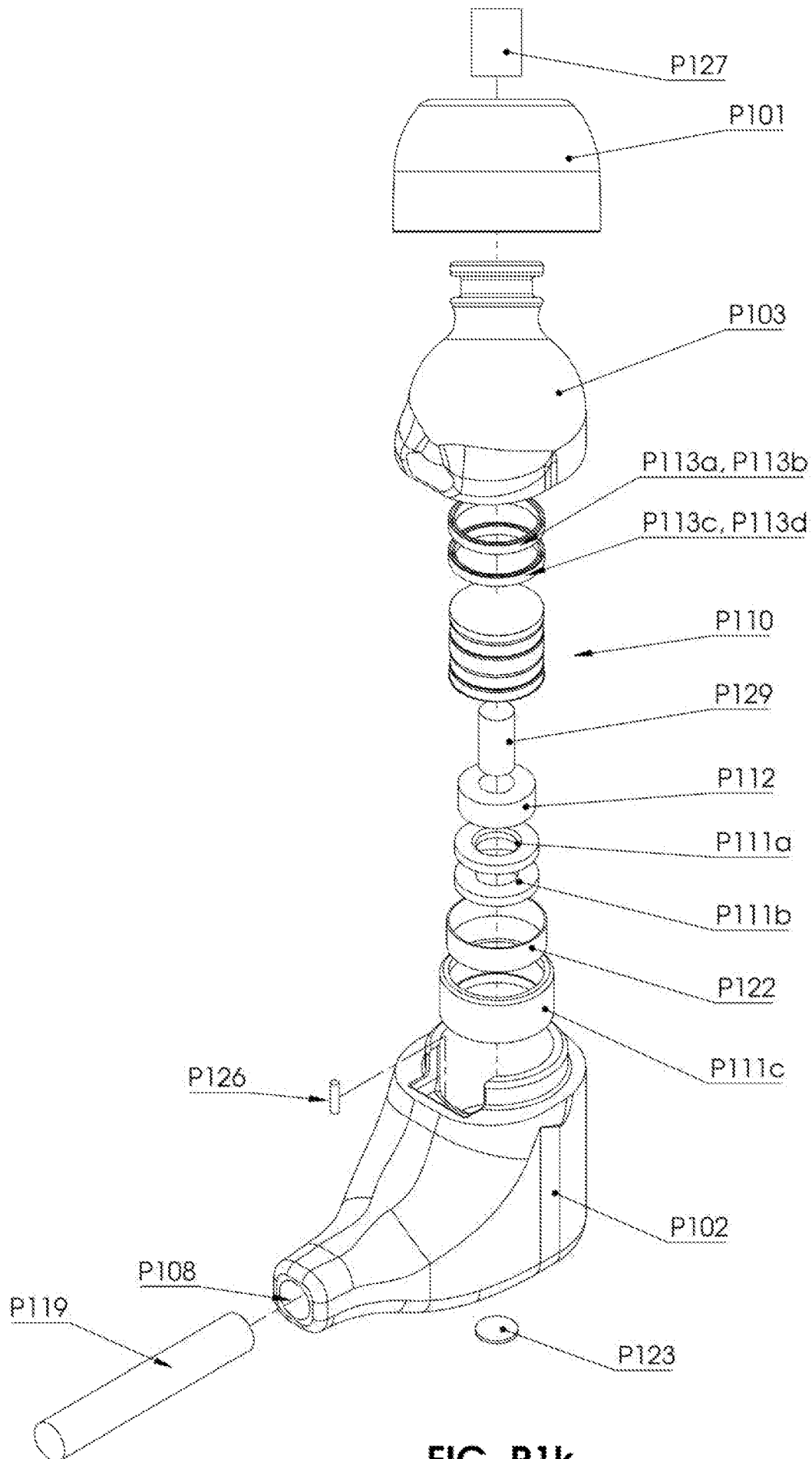
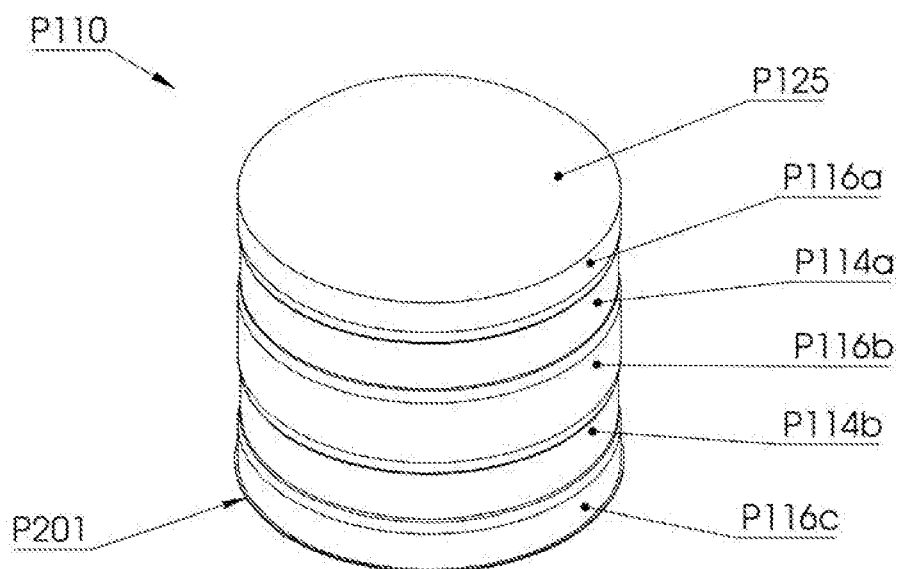
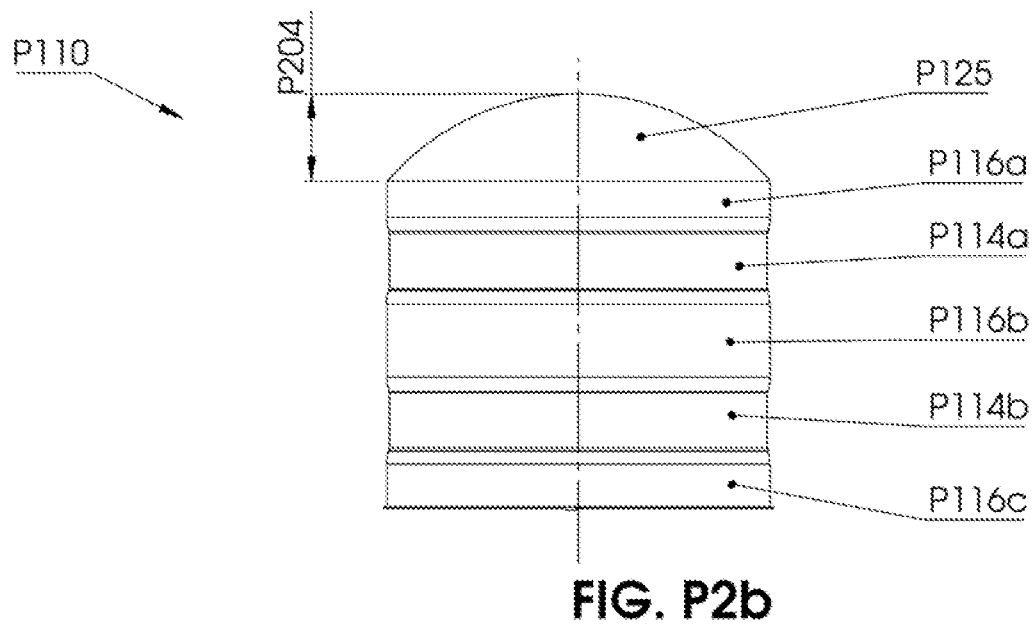
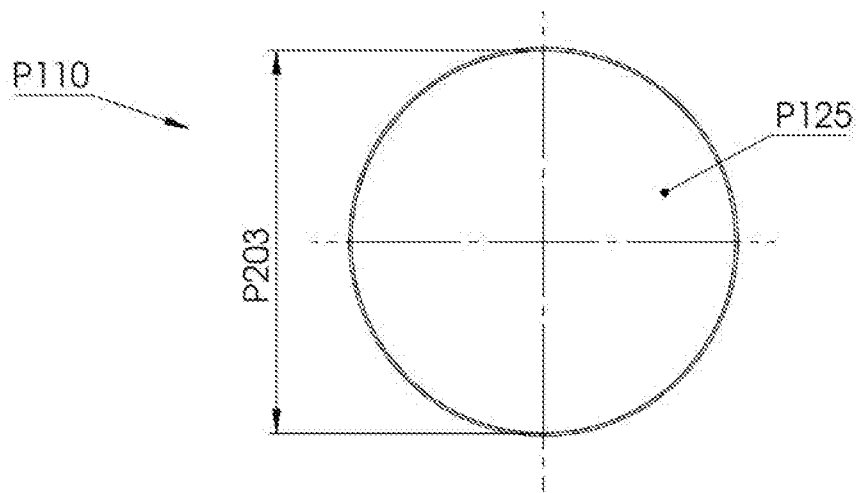


FIG. P1k



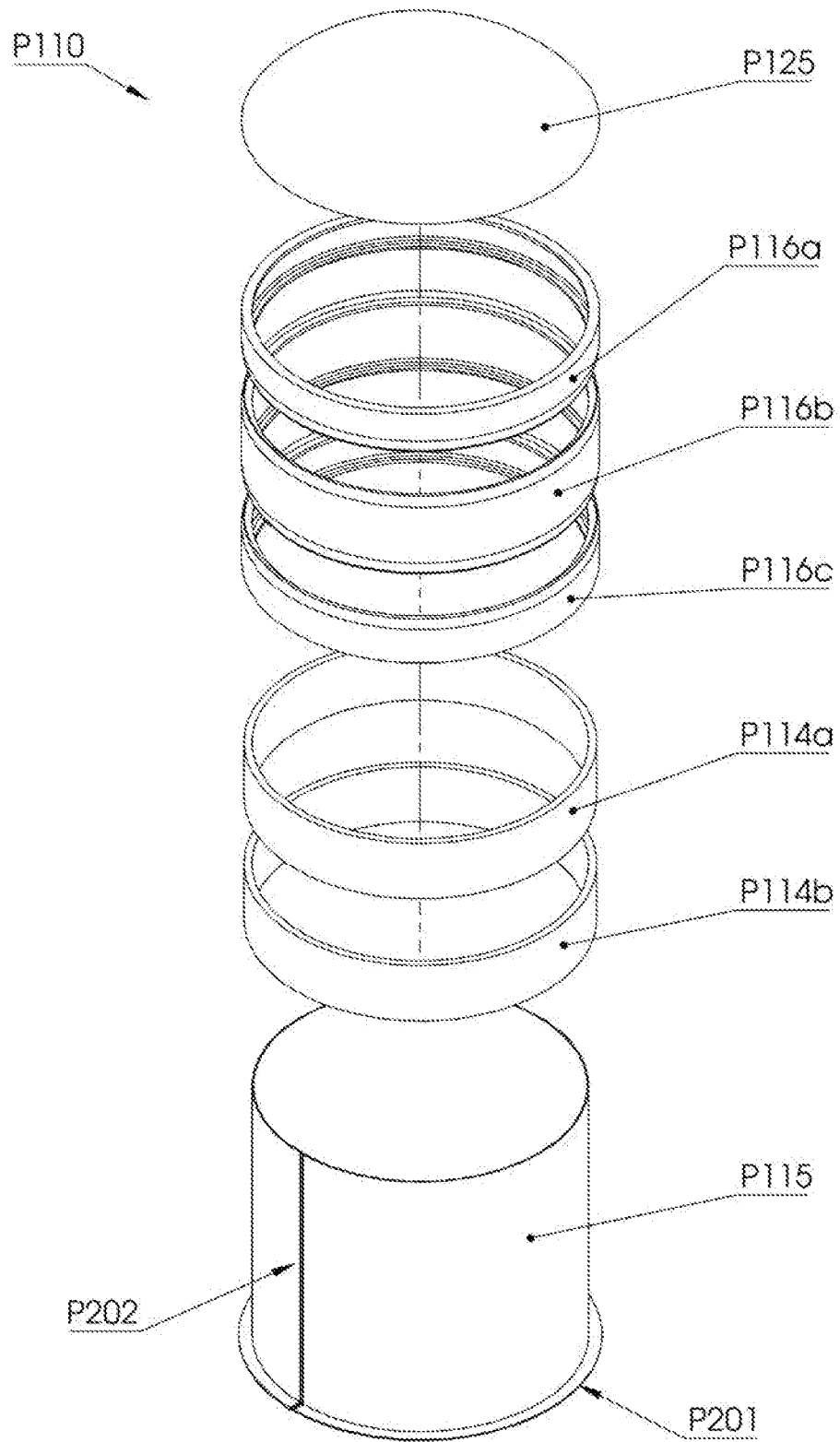


FIG. P2d

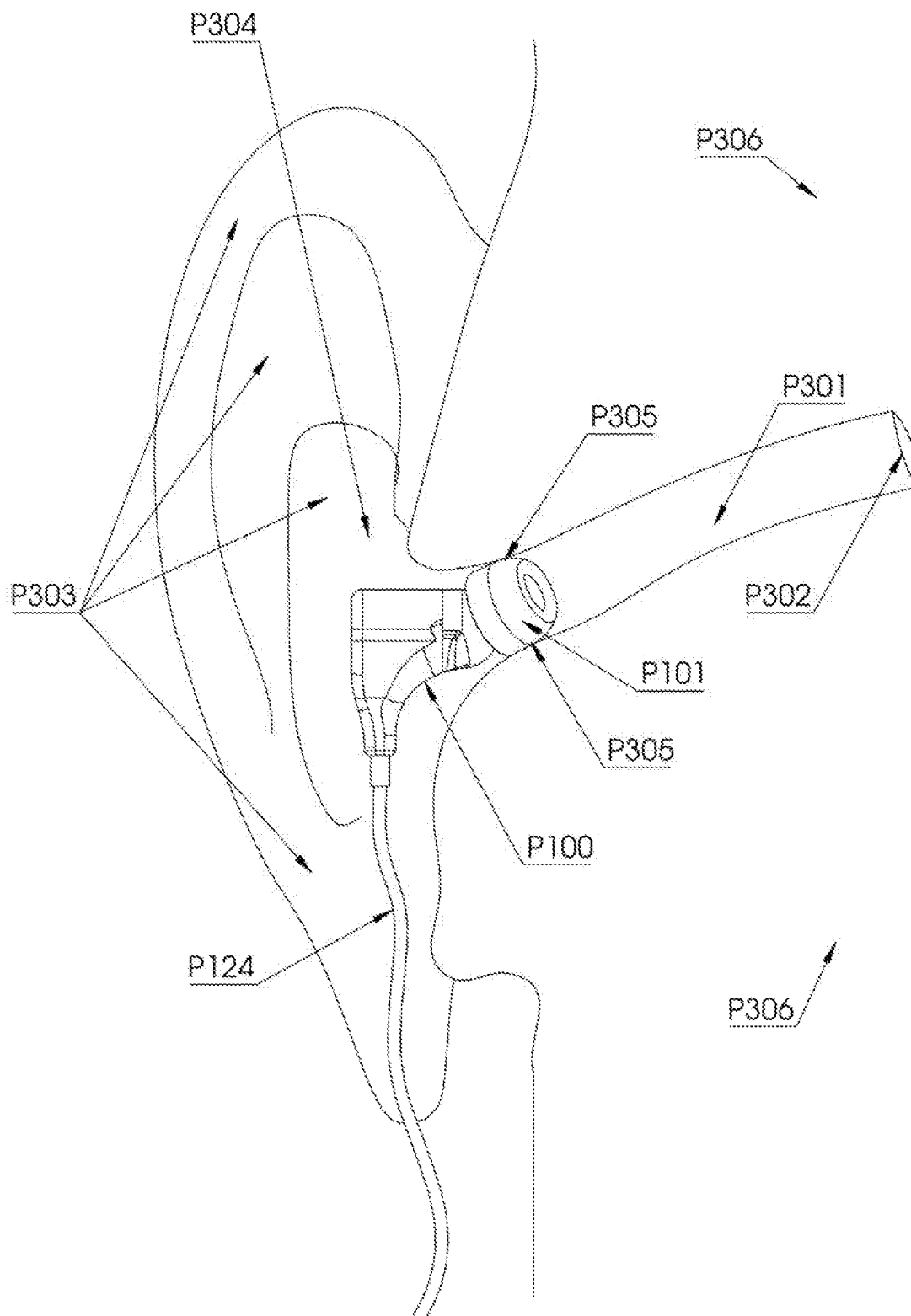
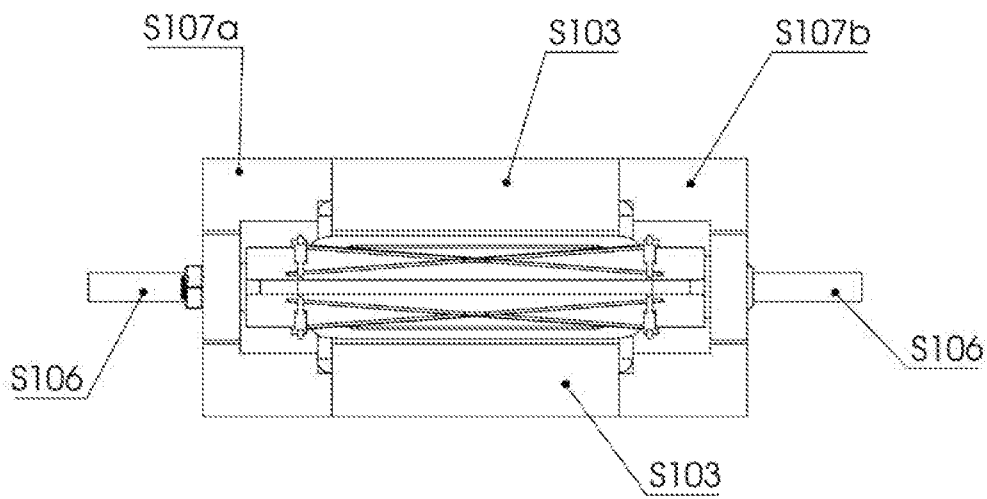
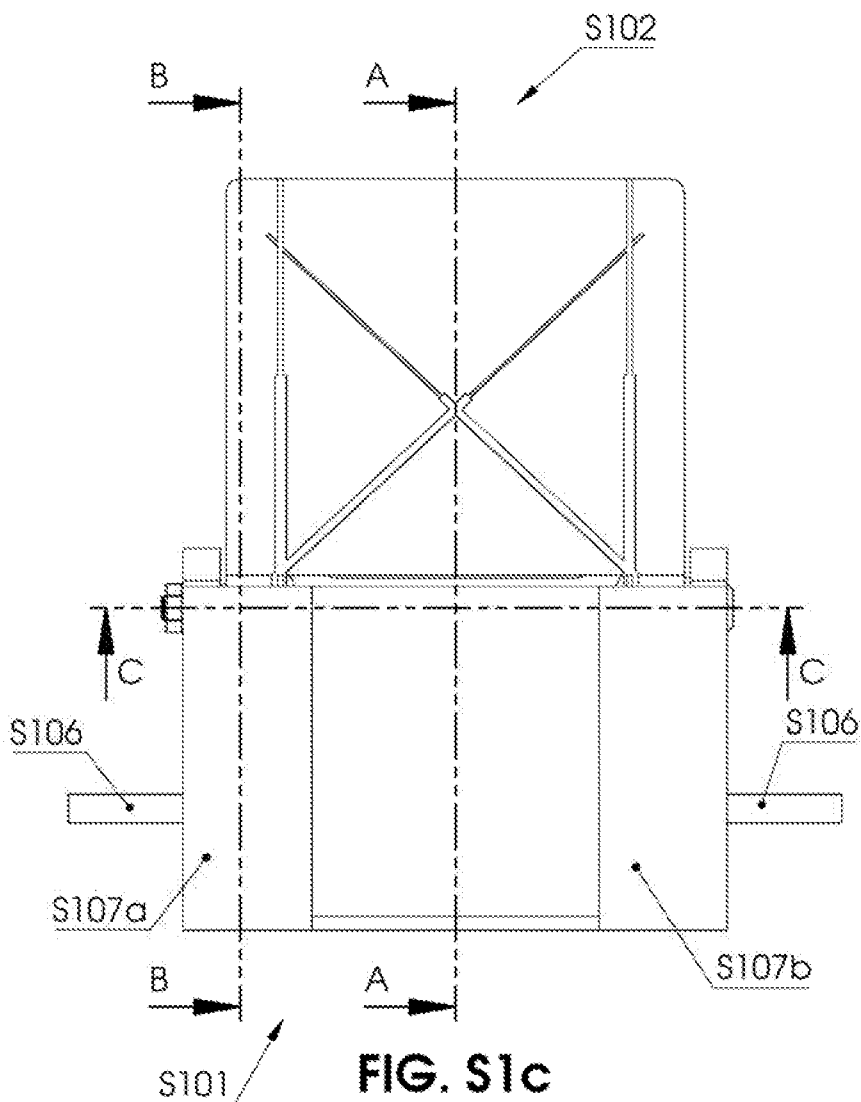
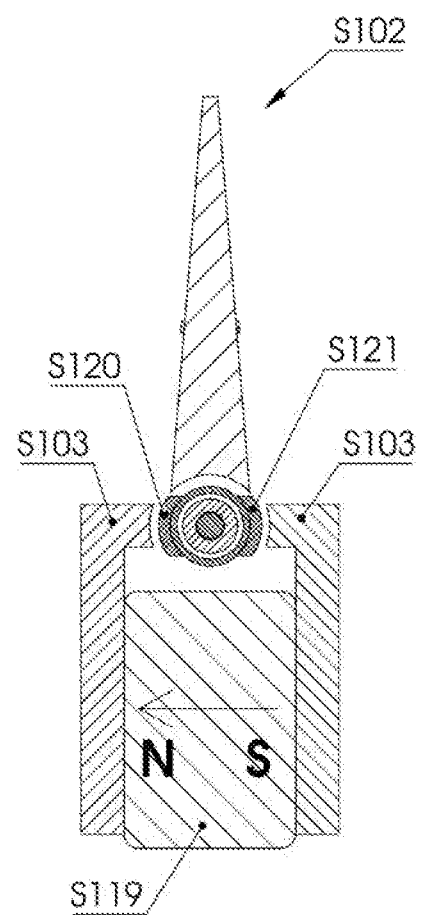
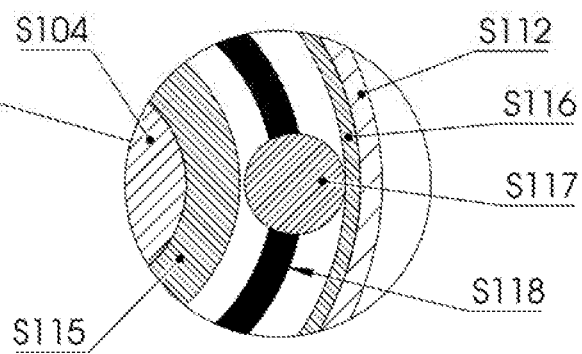
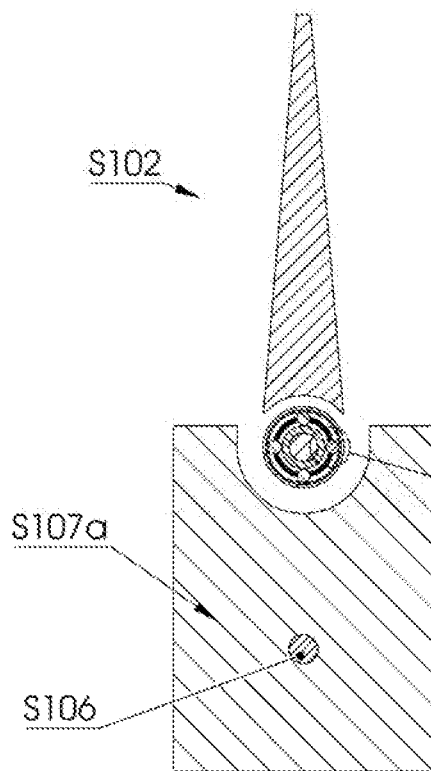
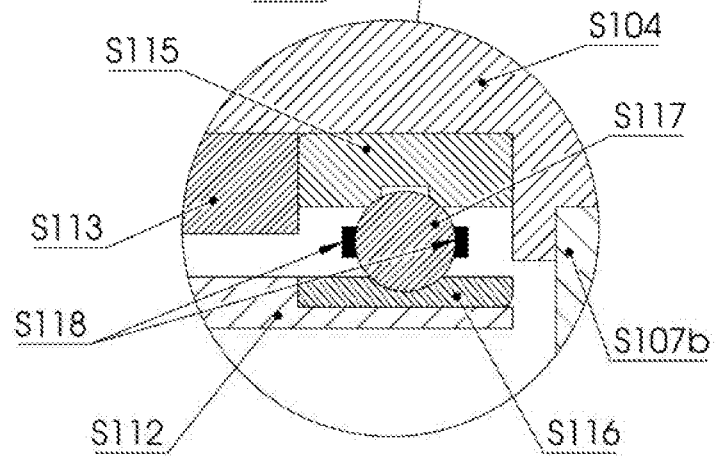
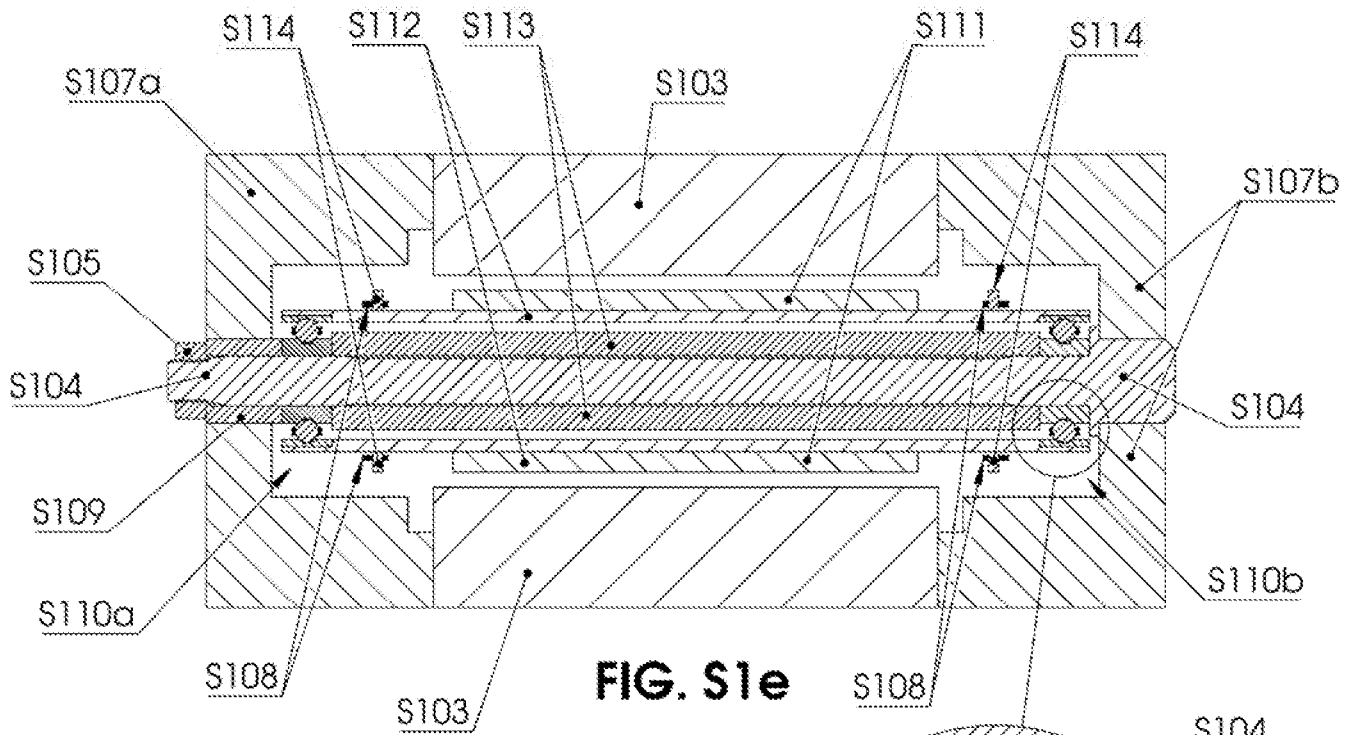
**FIG. P3**



FIG. S1a

**FIG. S1b****FIG. S1c****FIG. S1d**



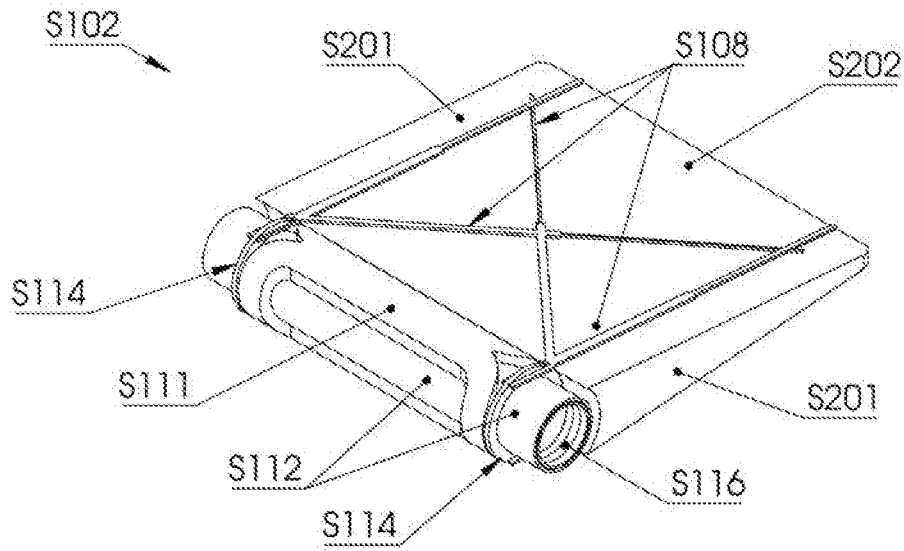


FIG. S2a

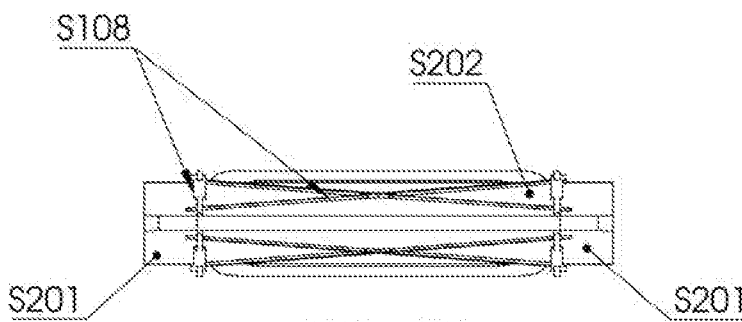


FIG. S2b

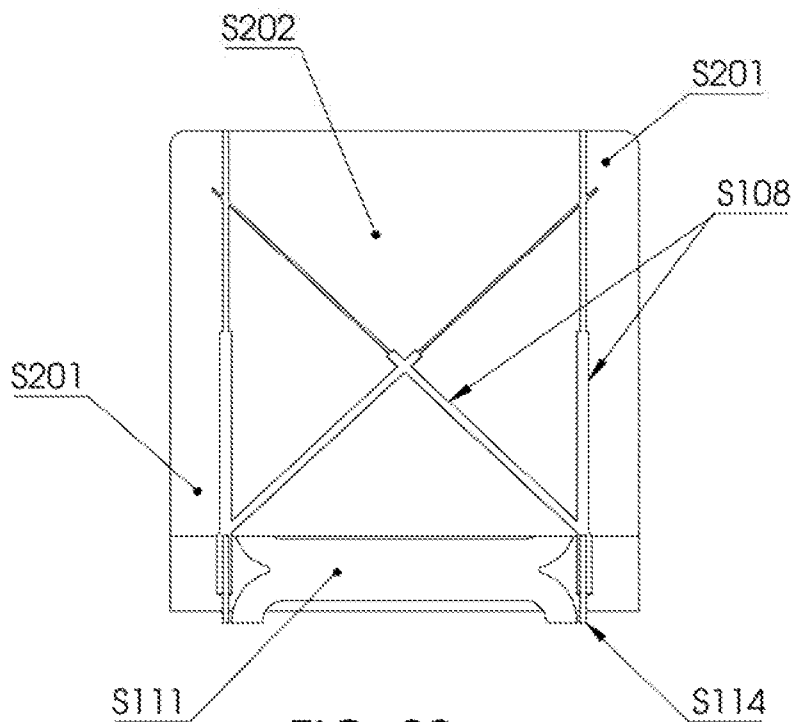


FIG. S2c

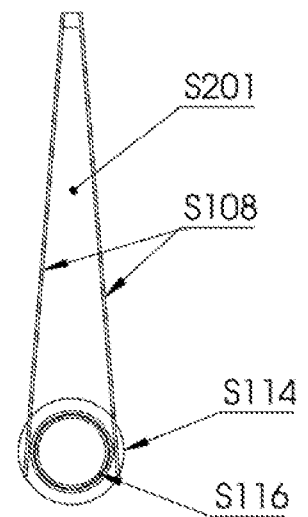


FIG. S2d

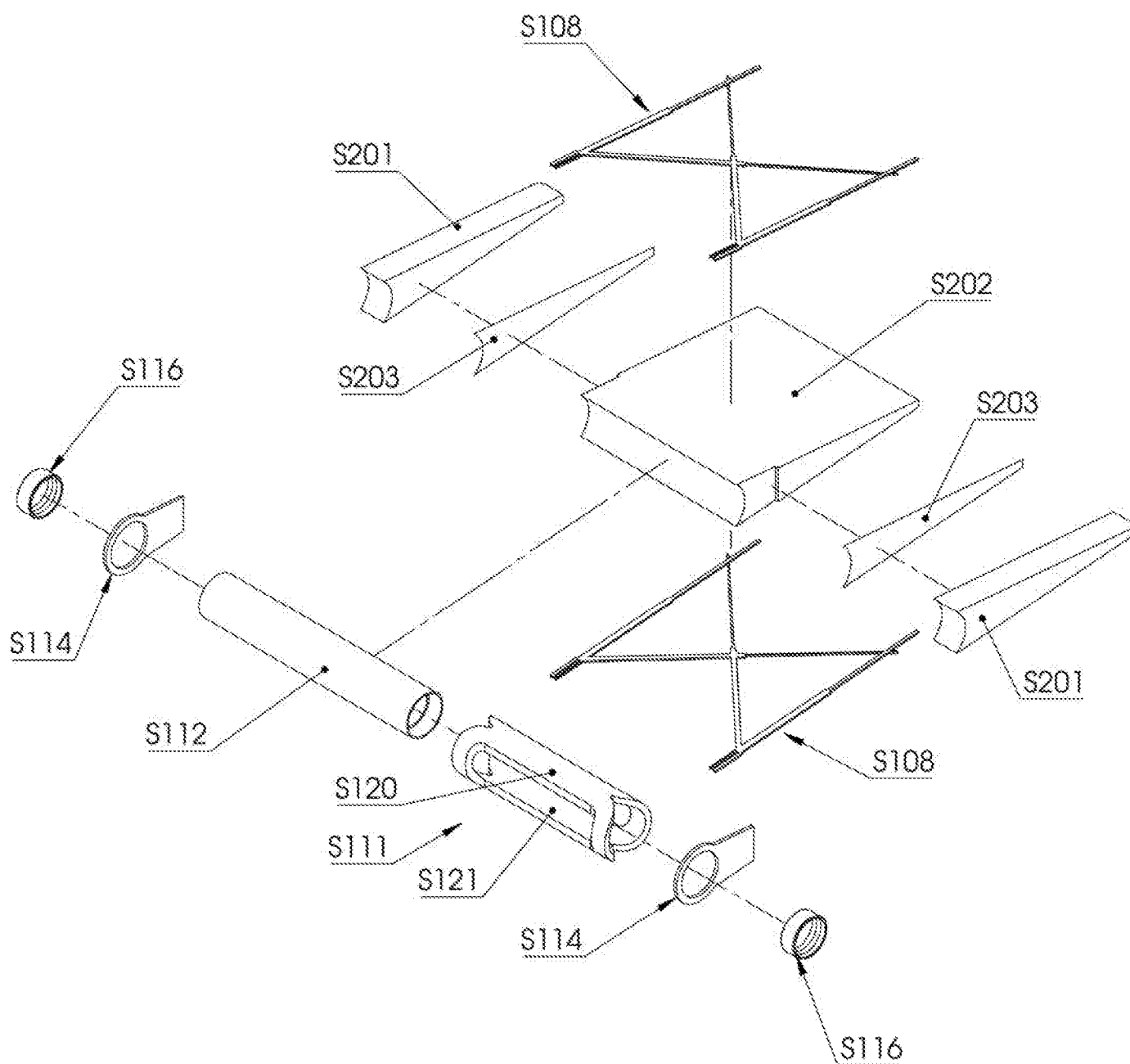
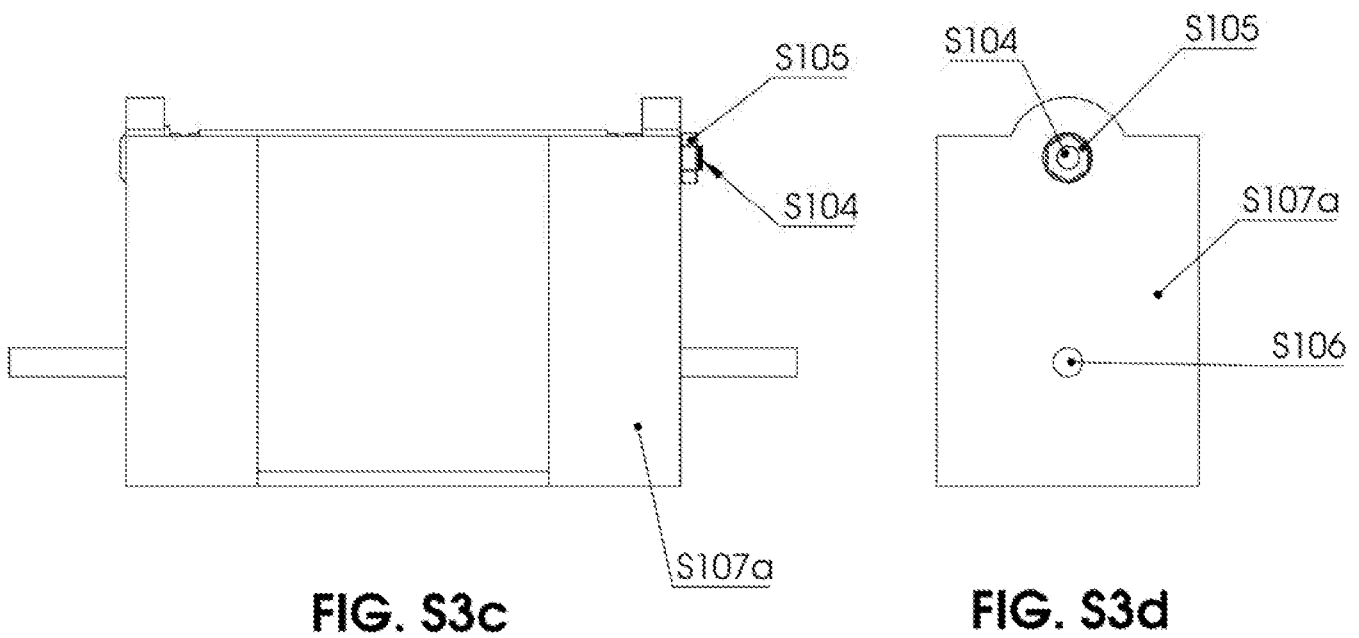
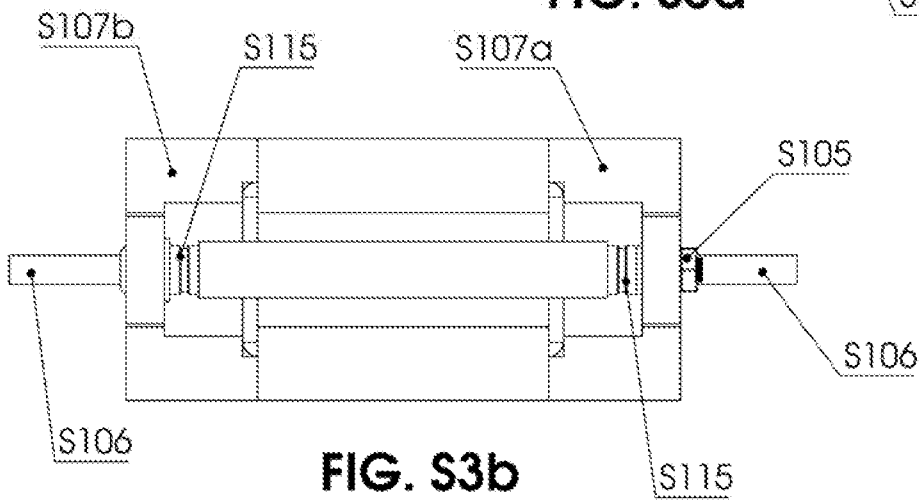
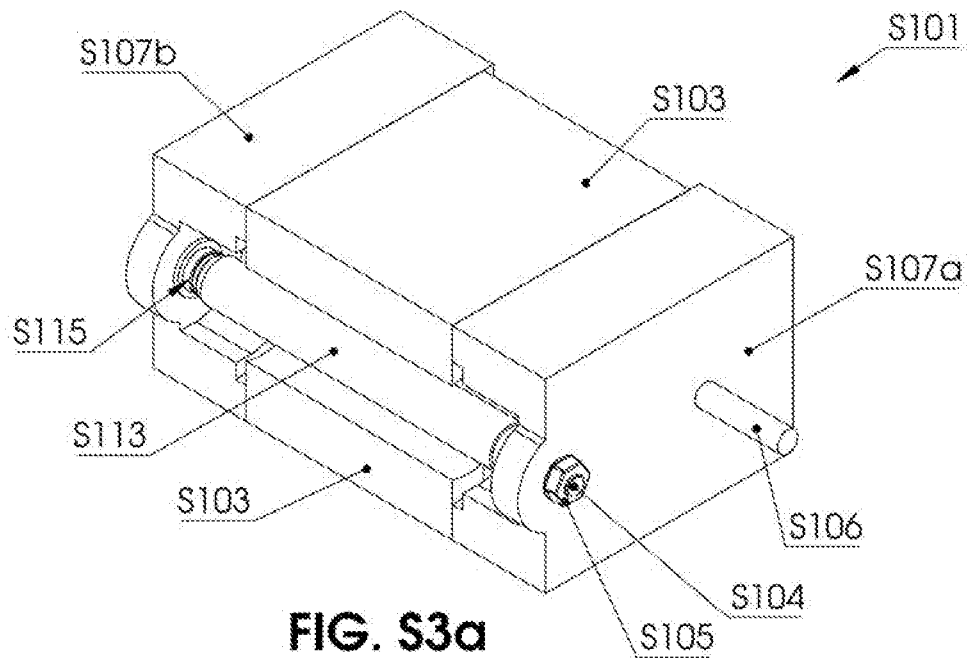
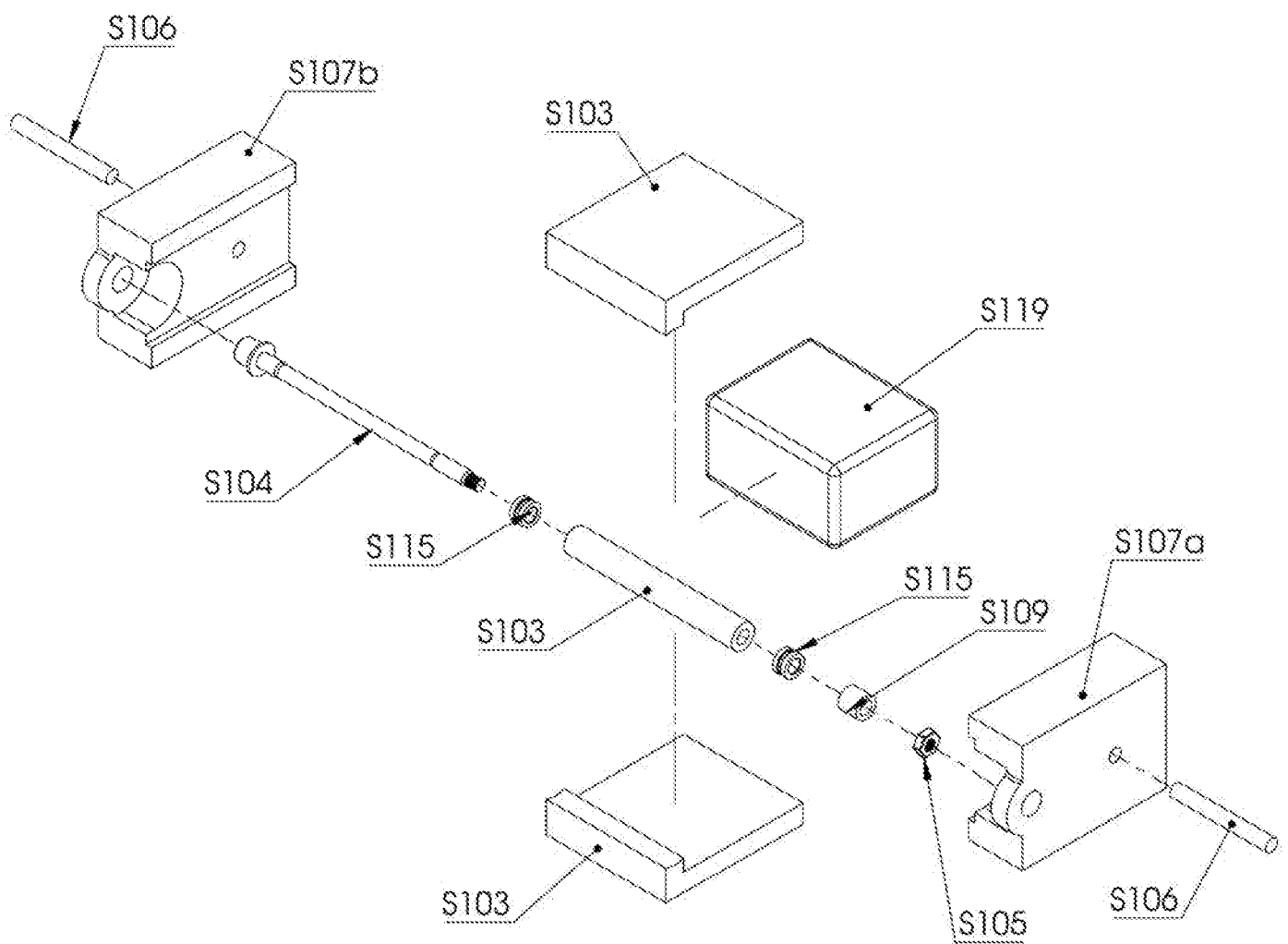
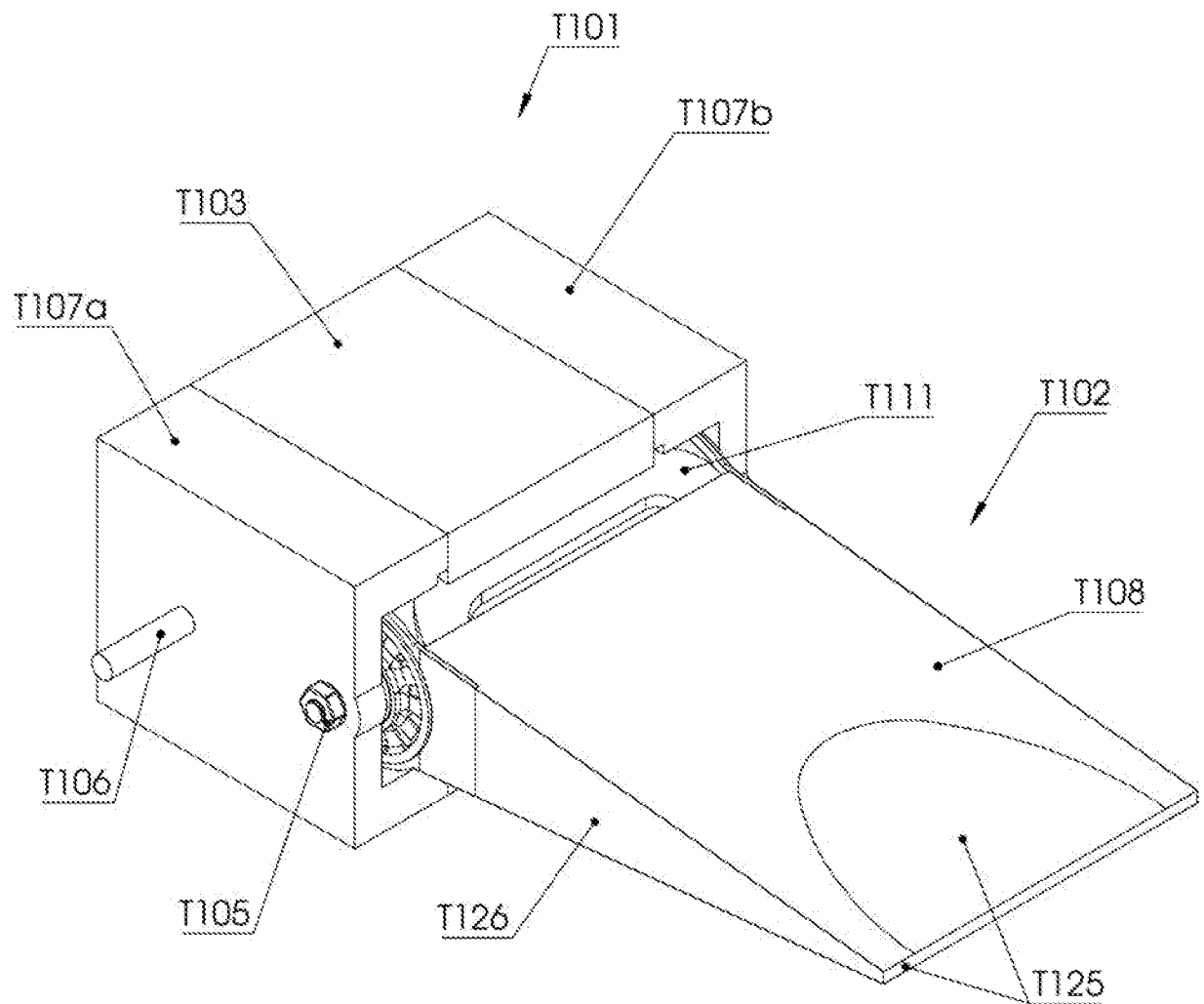
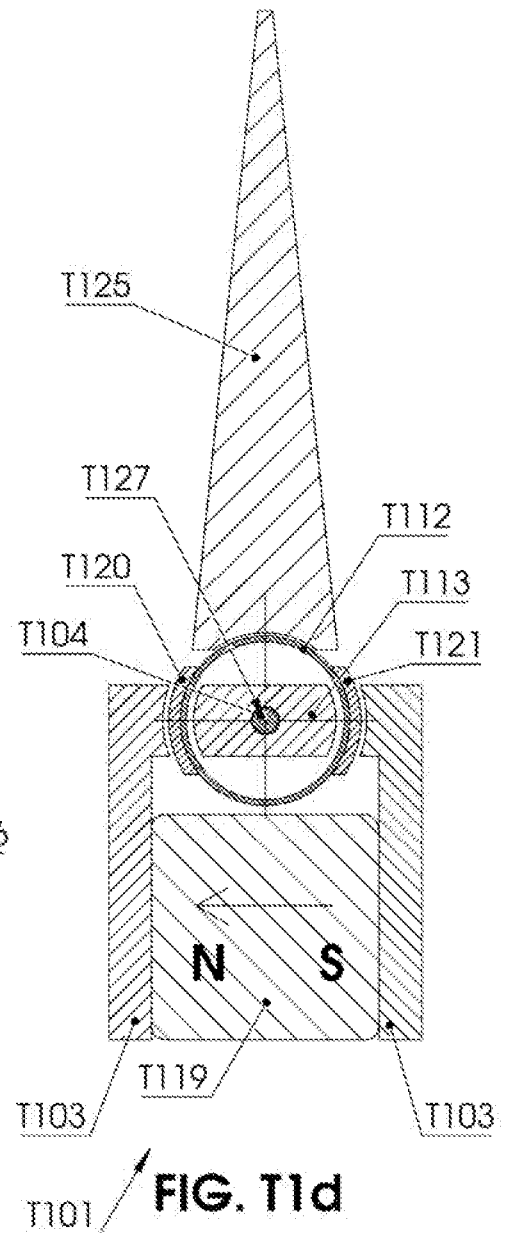
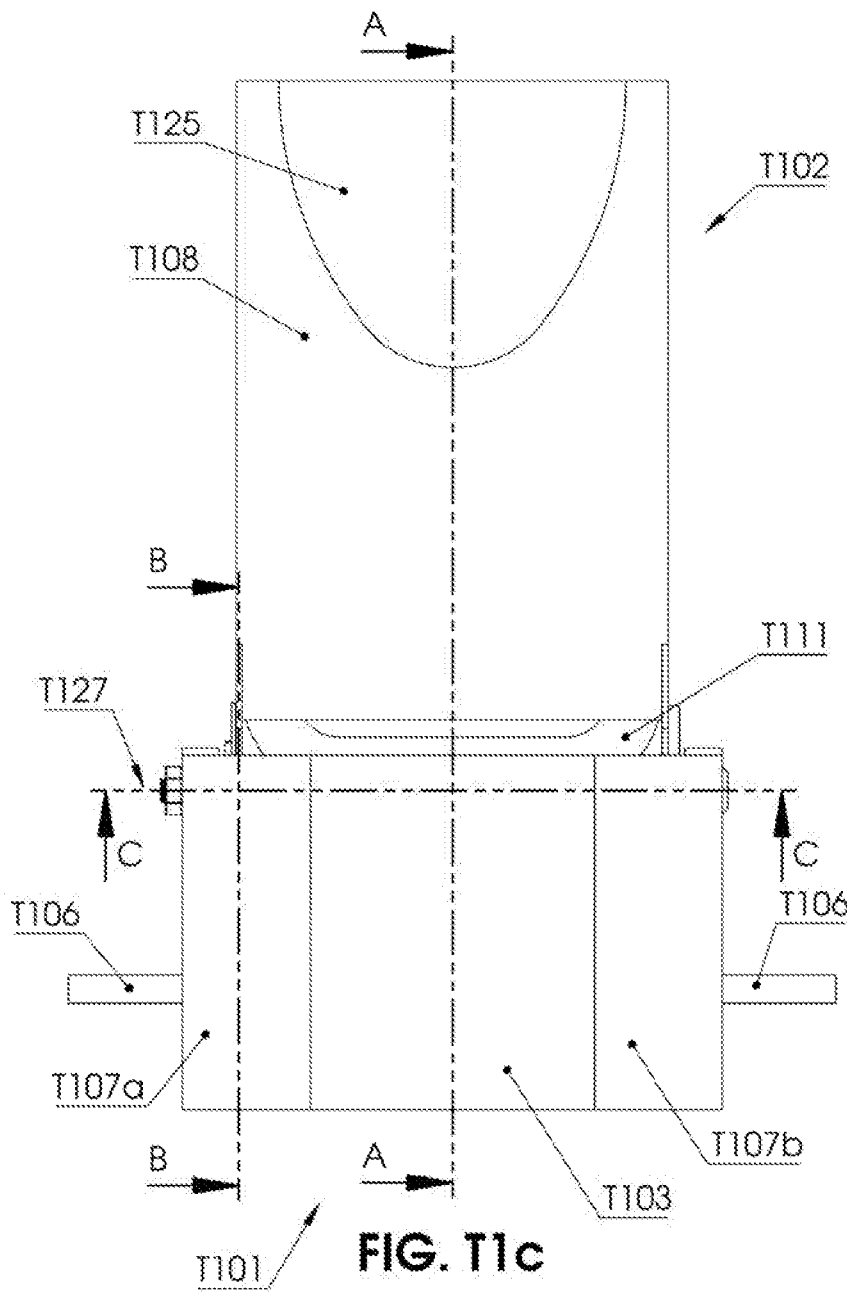
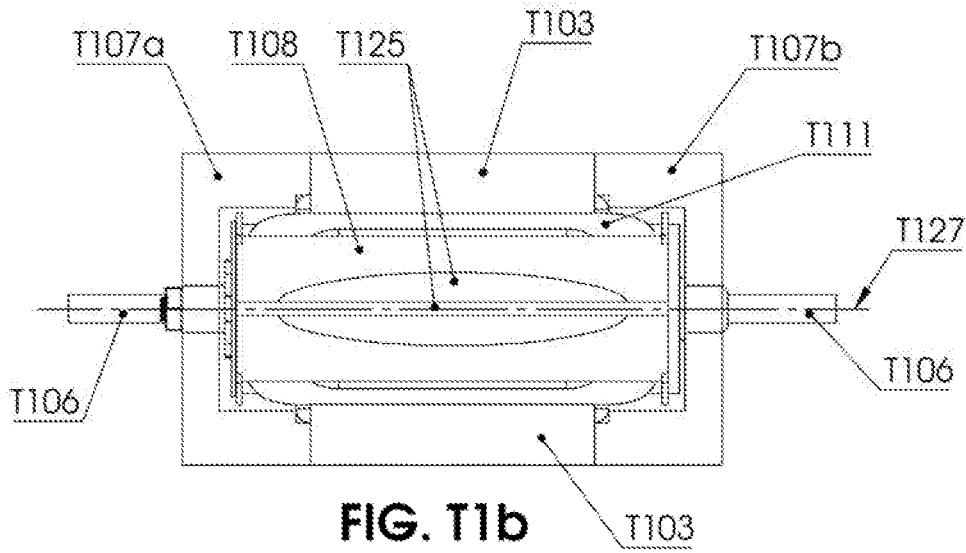


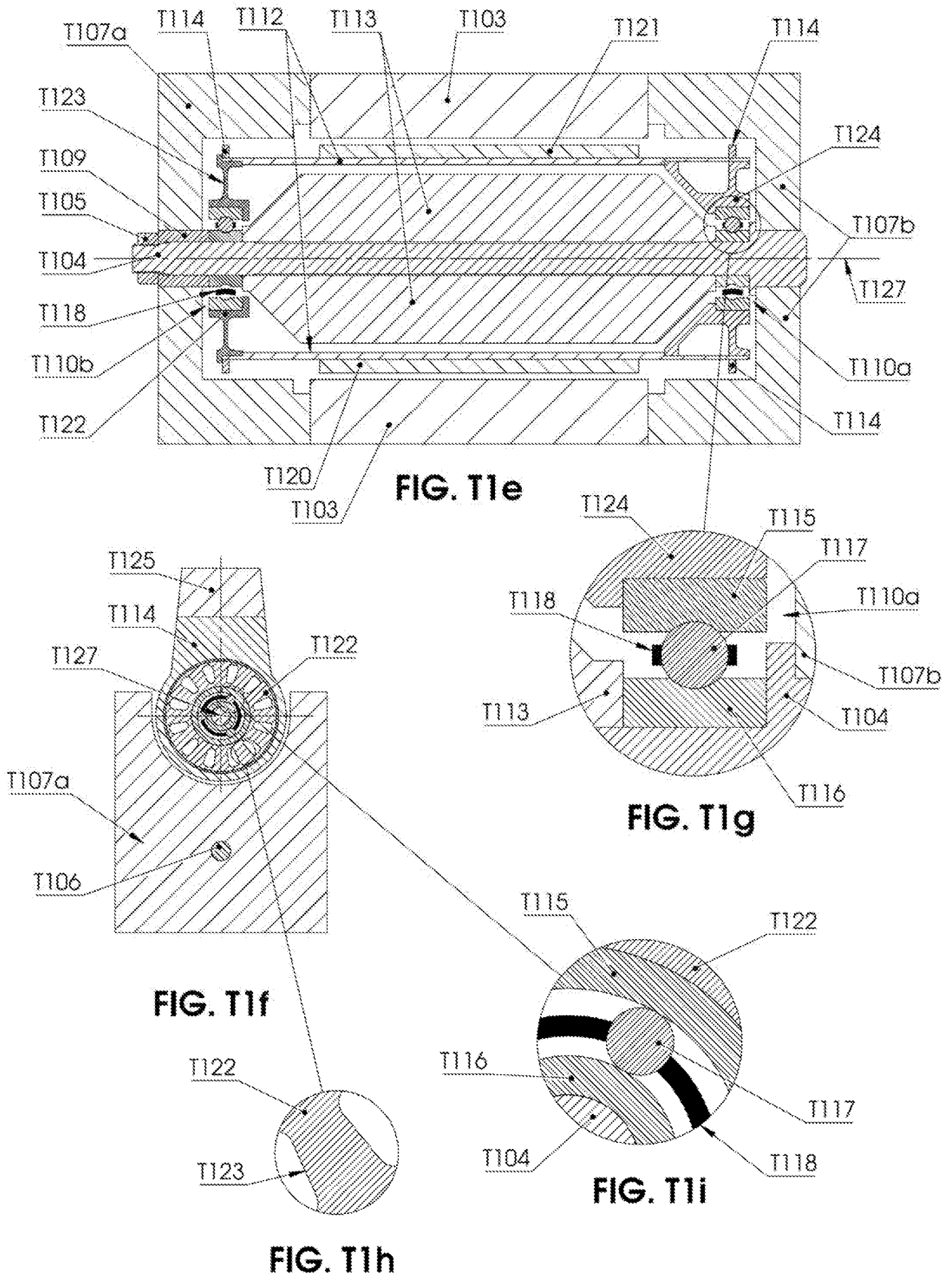
FIG. S2e

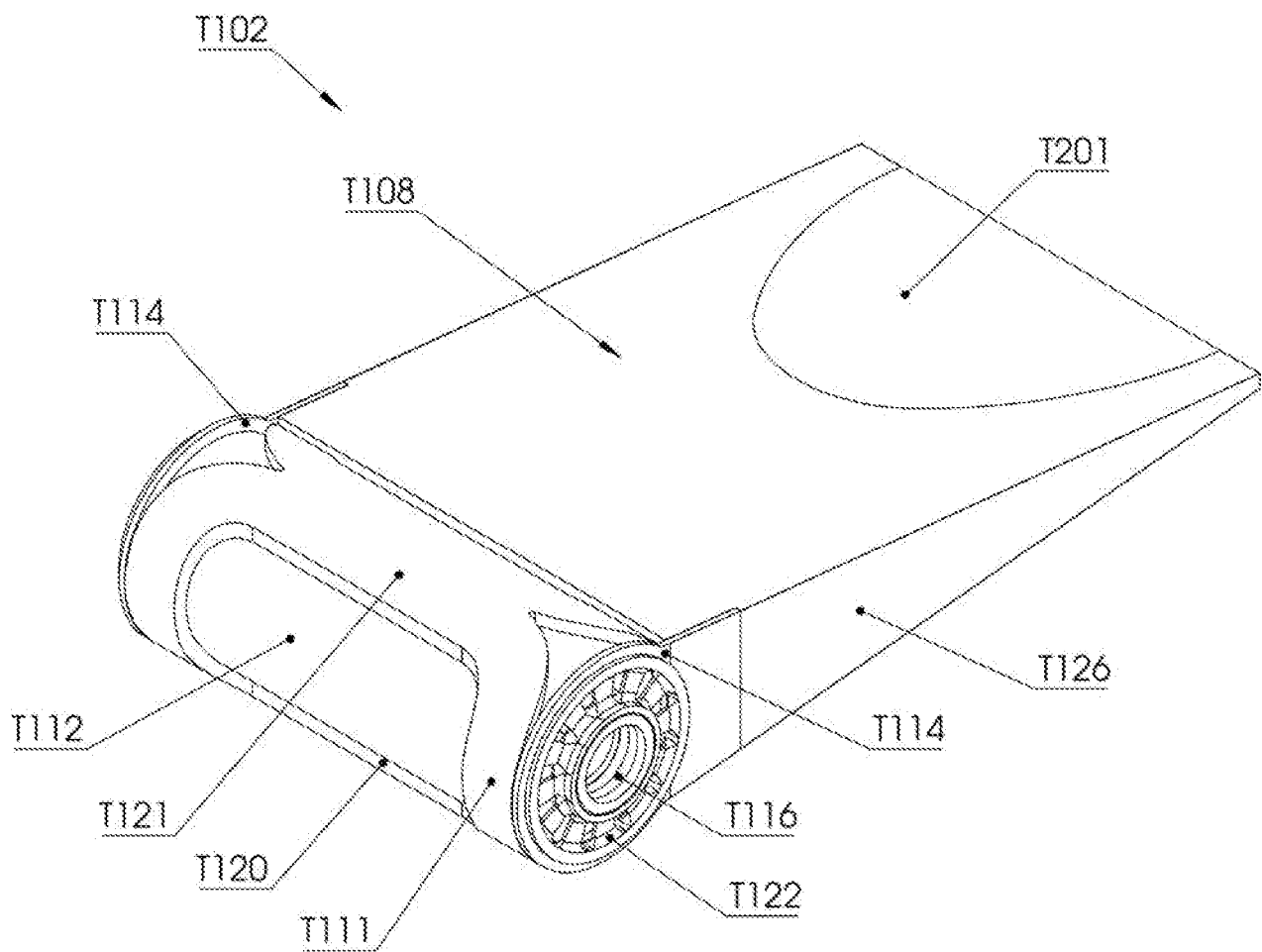


**FIG. S3e**

**FIG. T1a**





**FIG. T2a**

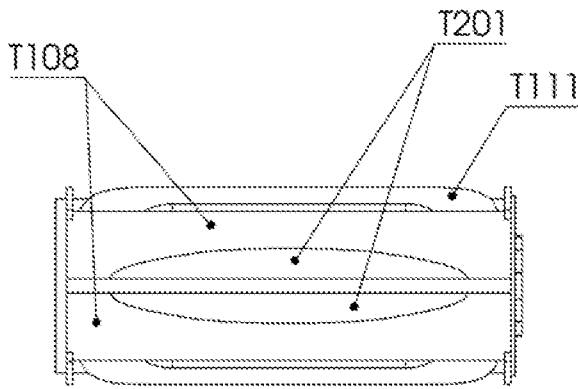


FIG. T2b

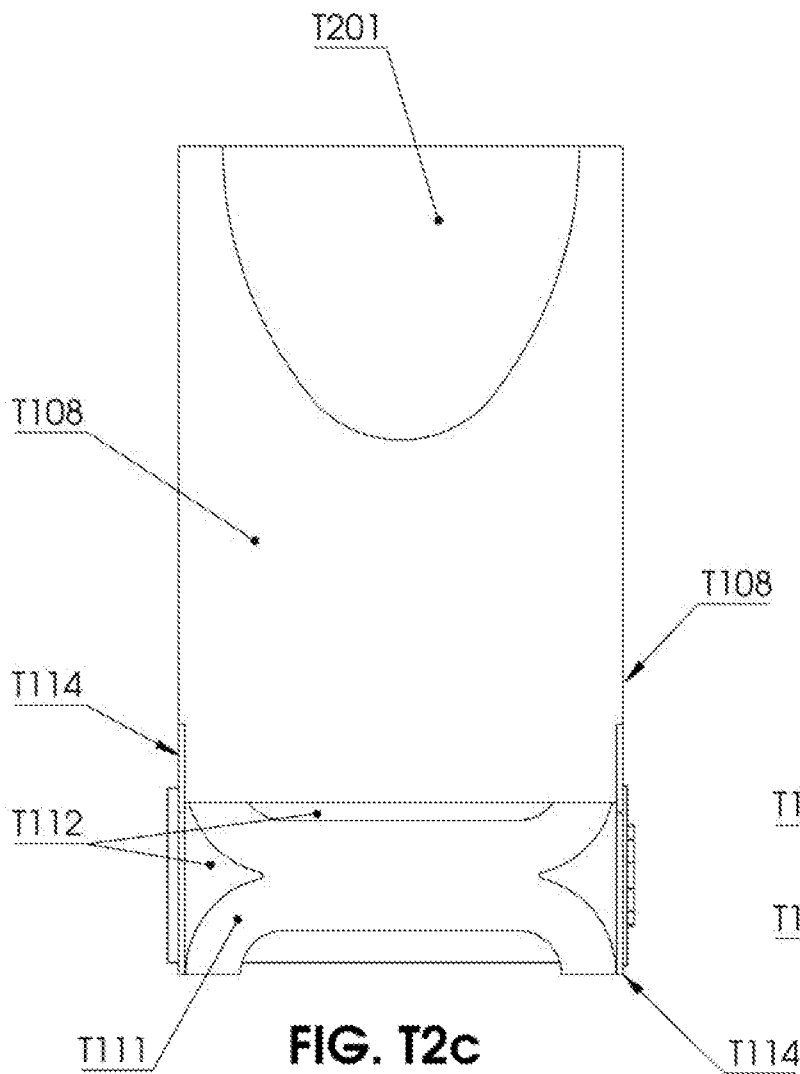


FIG. T2c

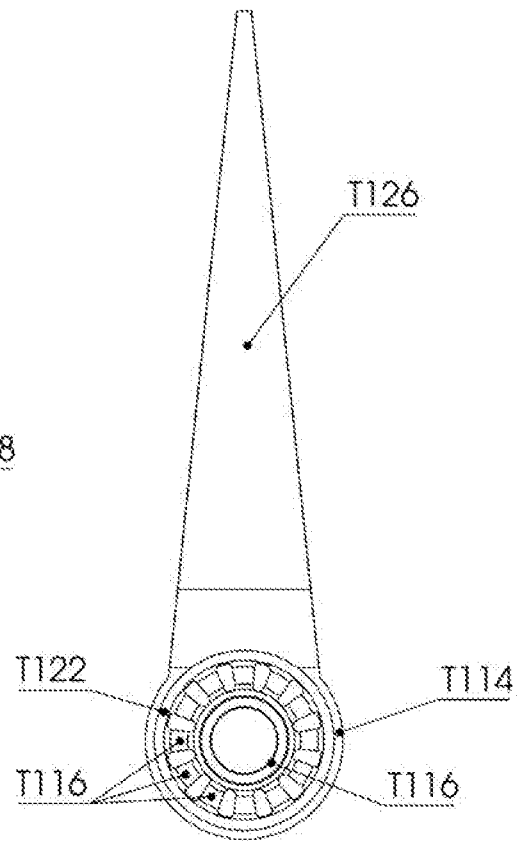


FIG. T2d

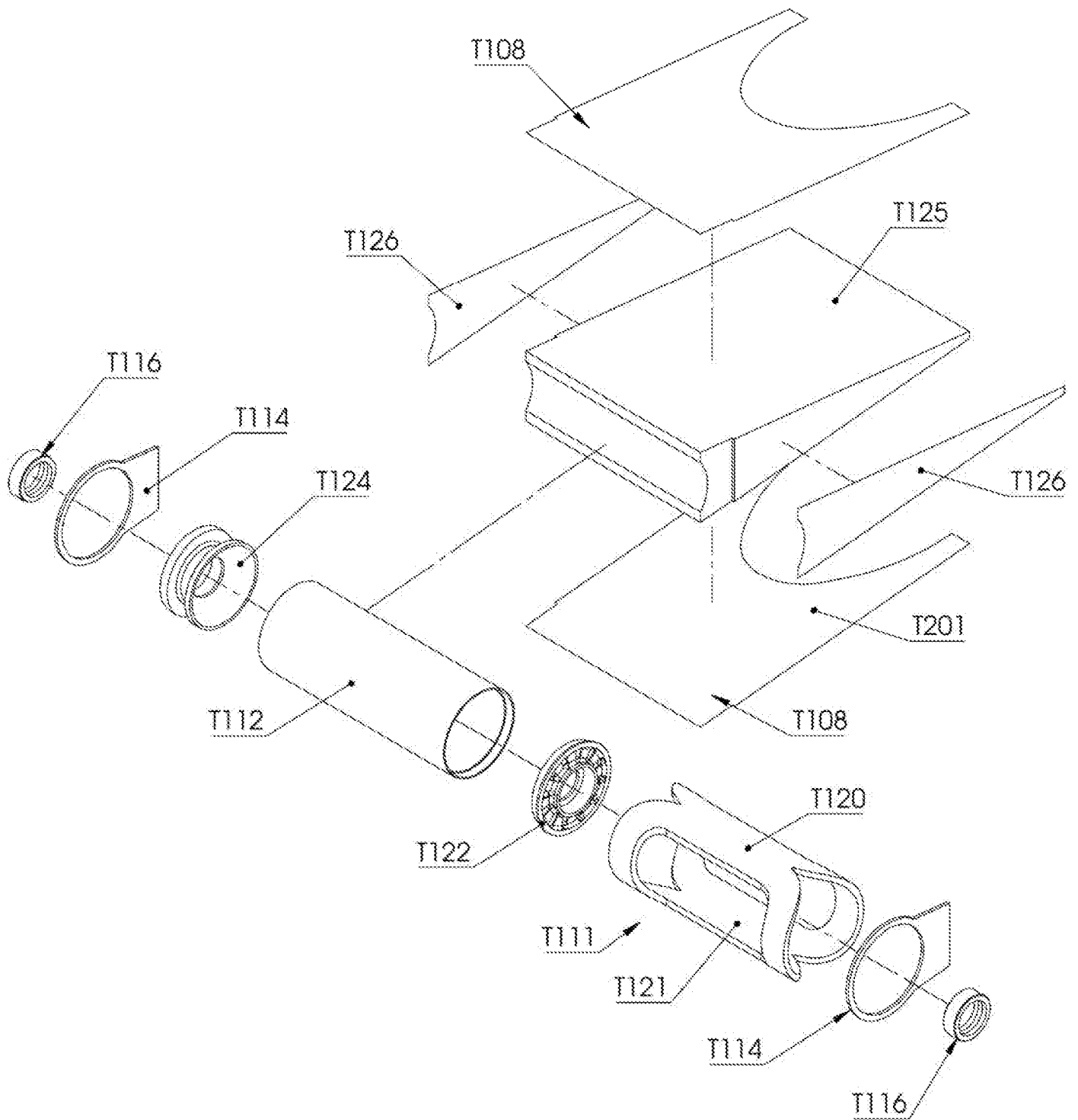


FIG. T2e

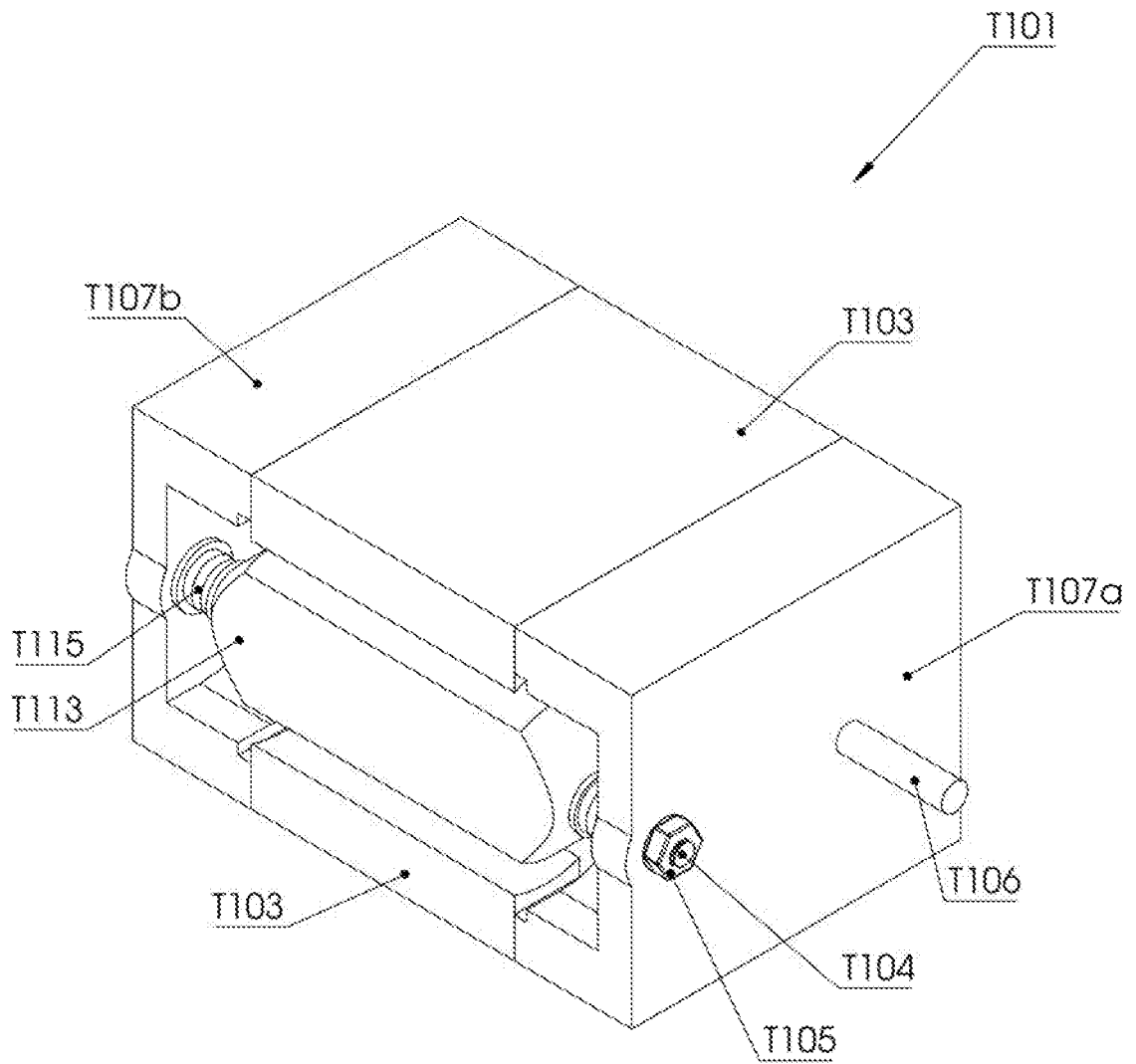


FIG. T3a

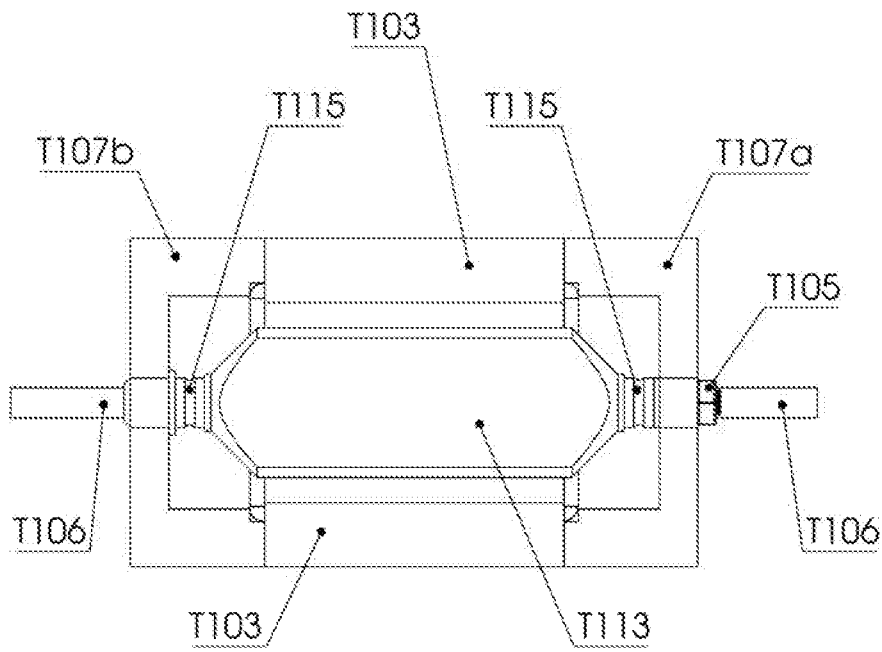


FIG. T3b

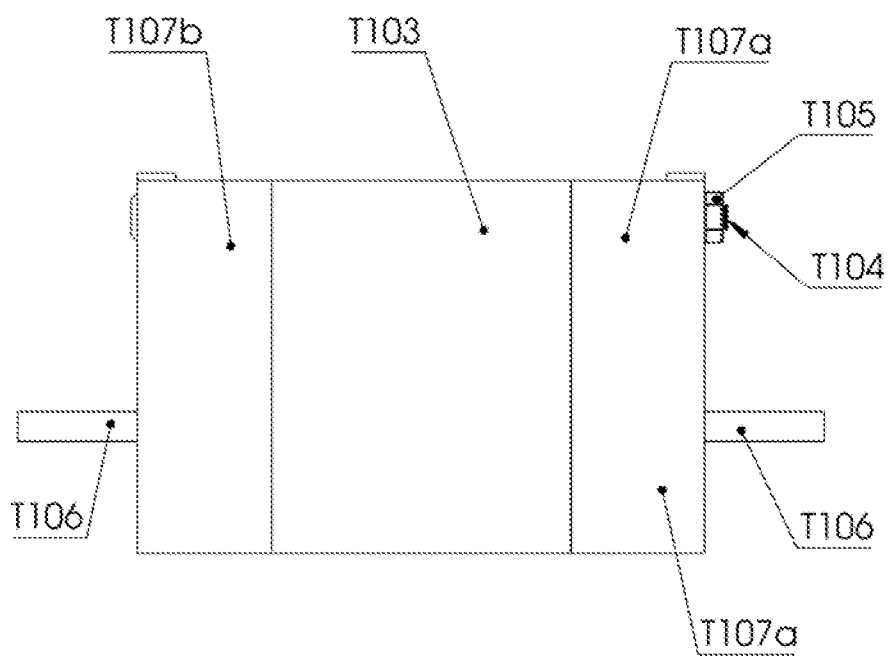


FIG. T3c

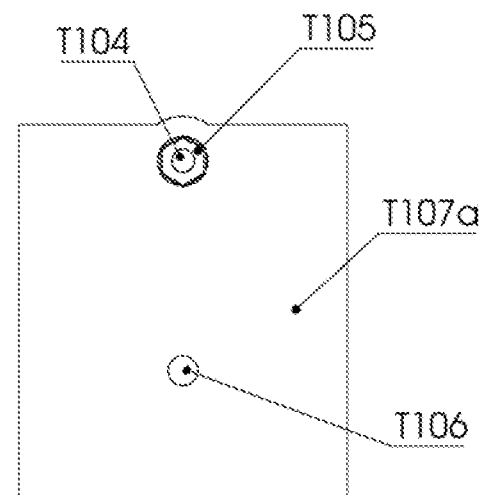


FIG. T3d

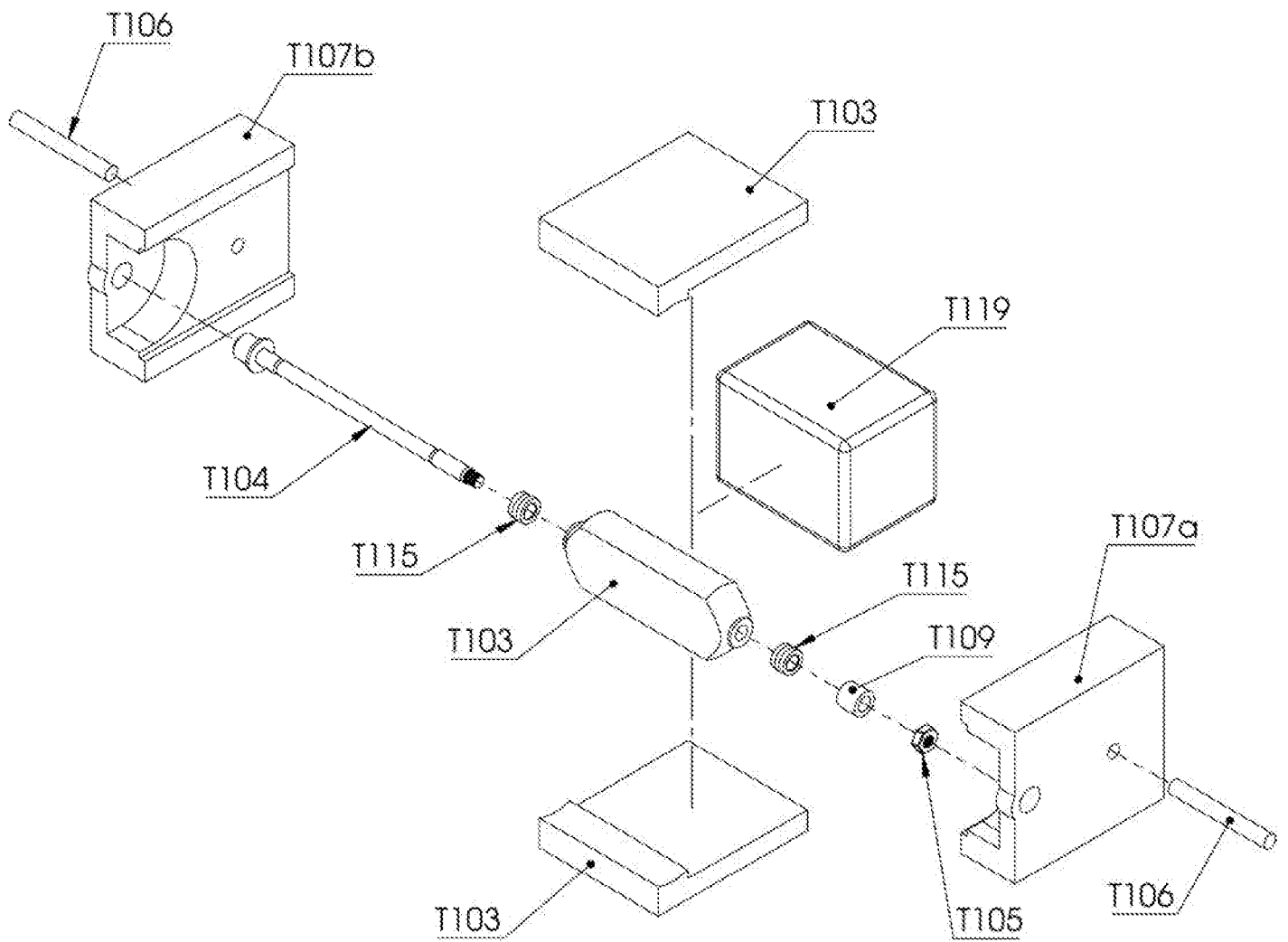
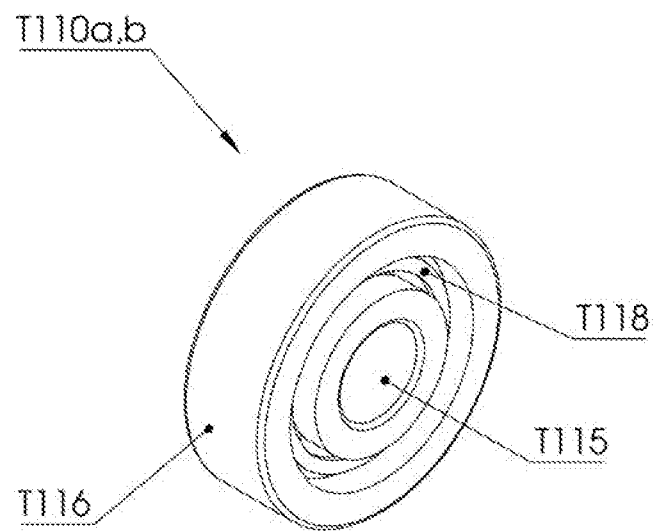
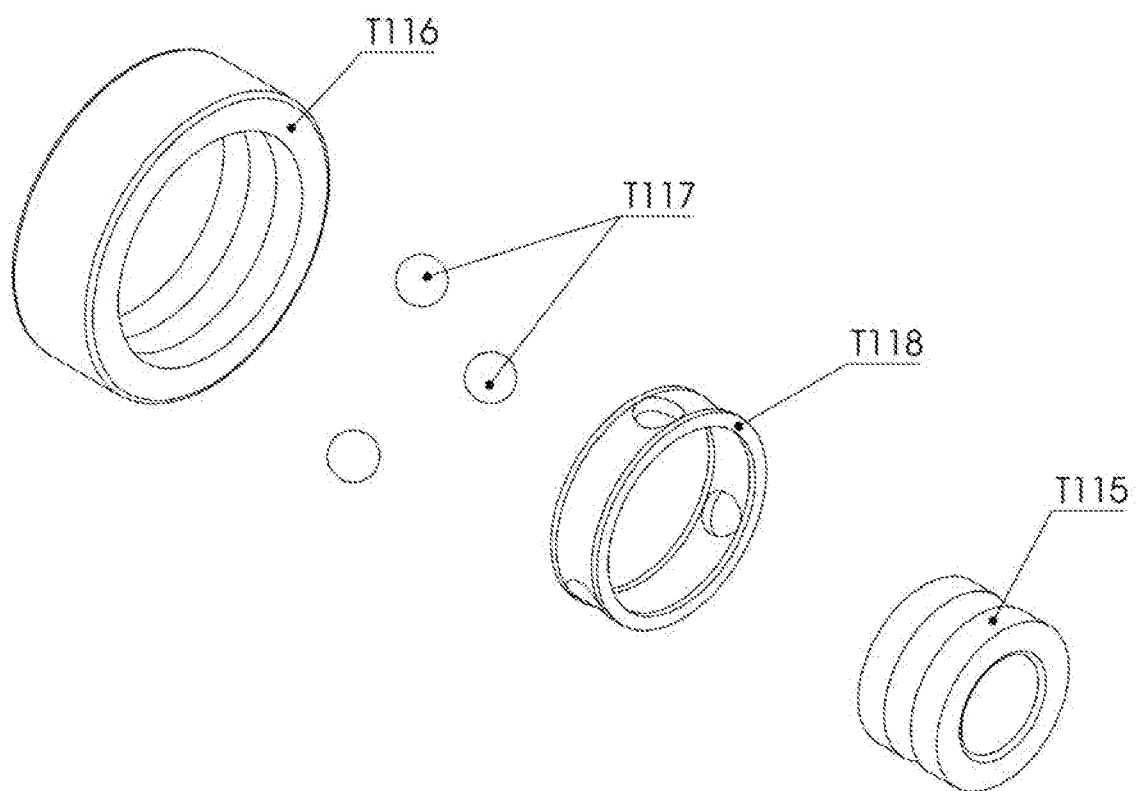
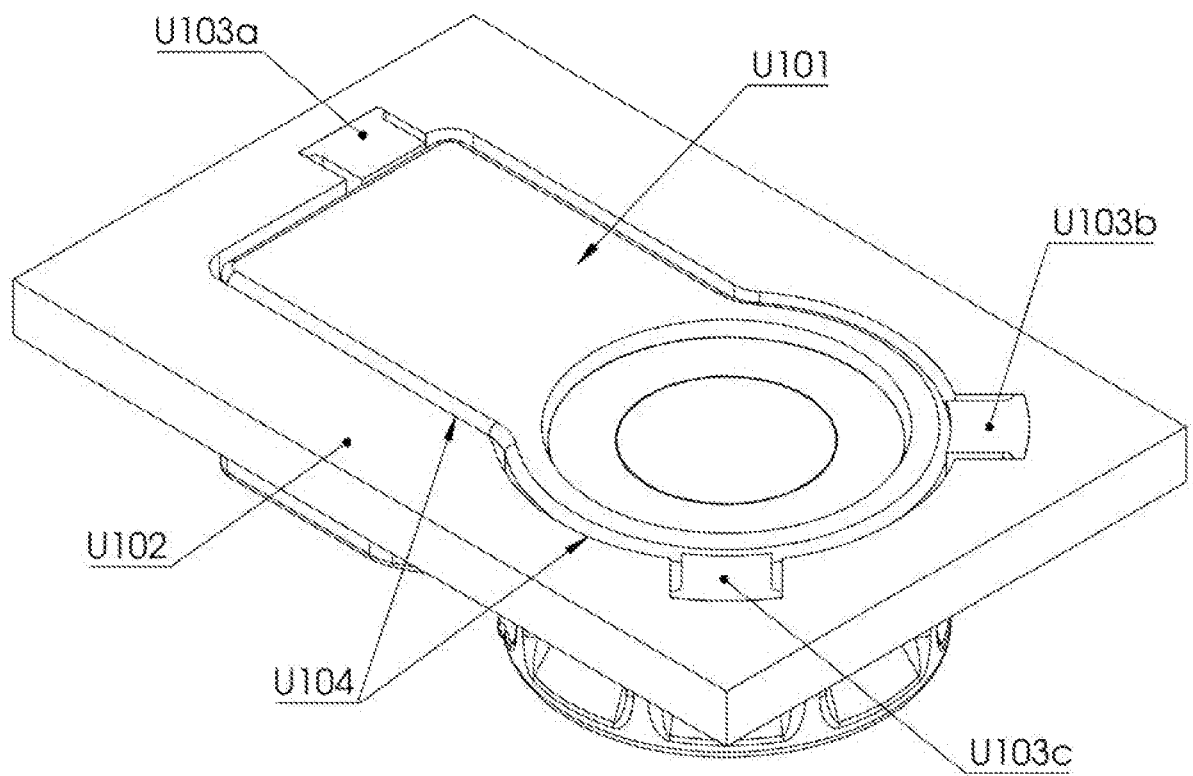
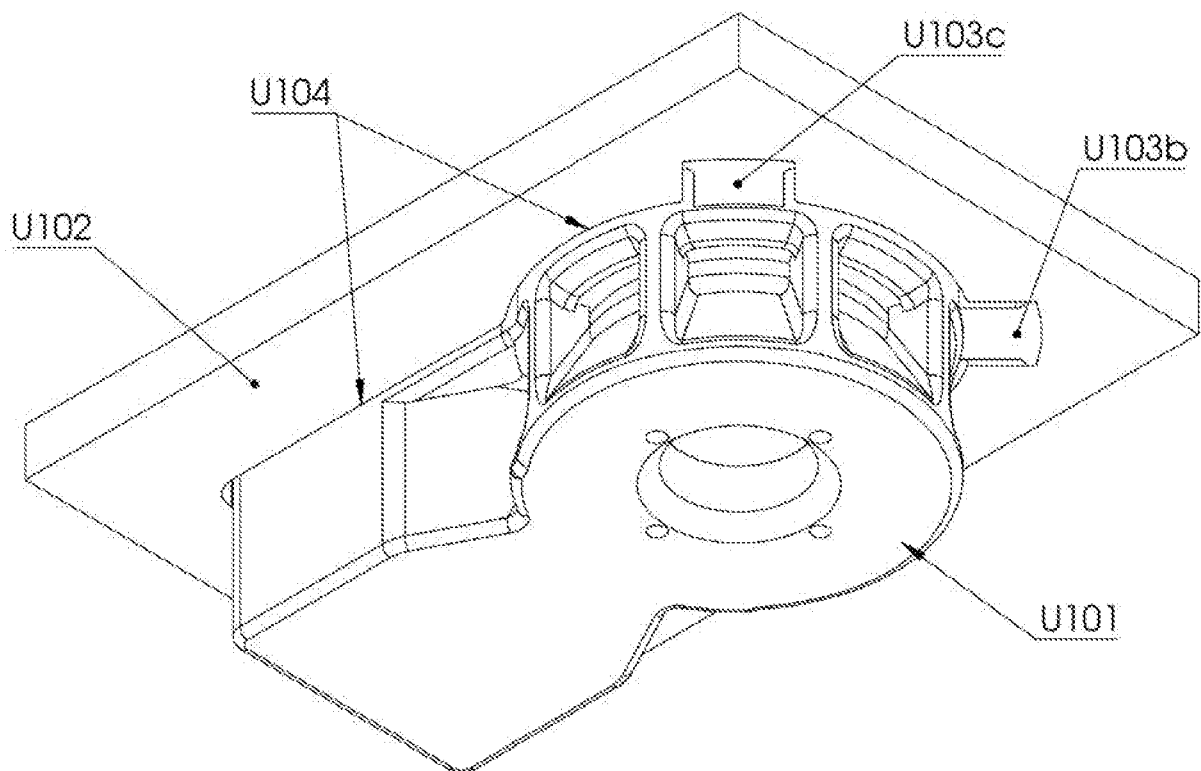
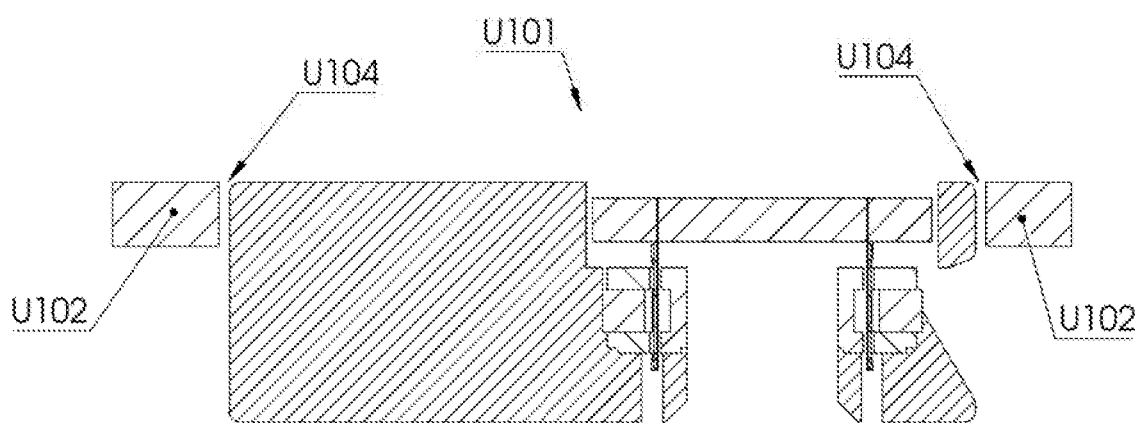
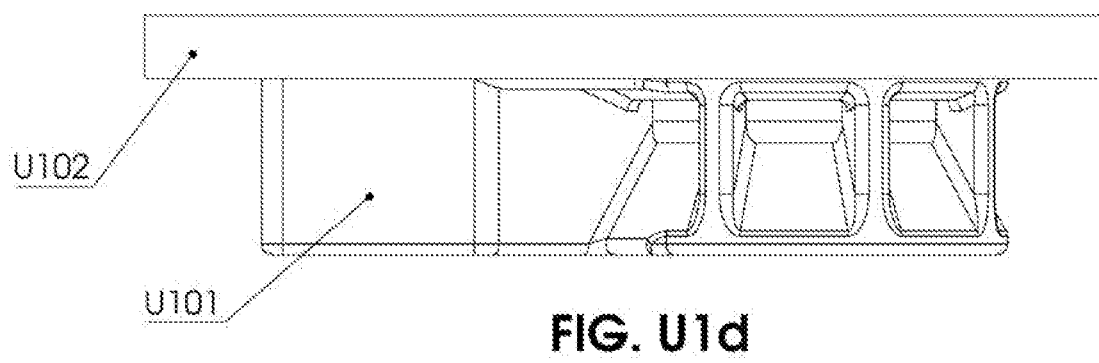
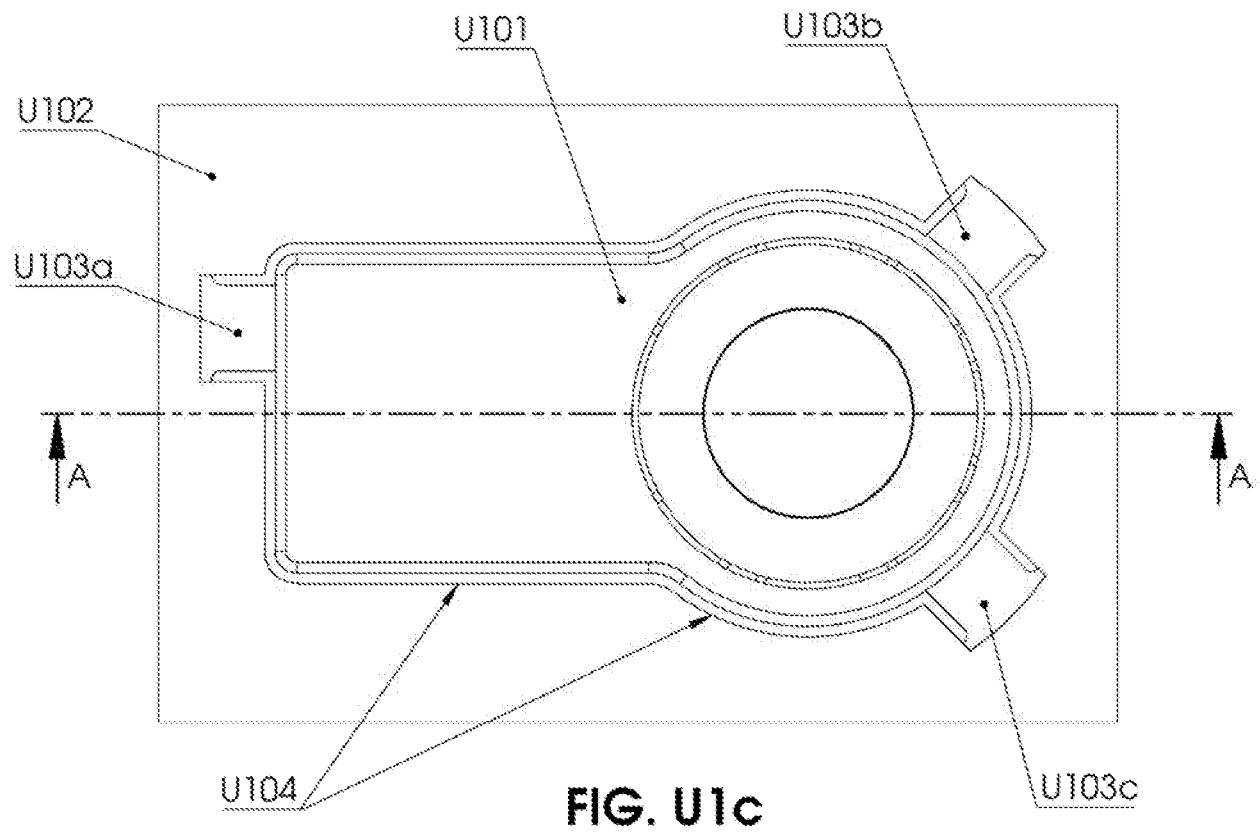
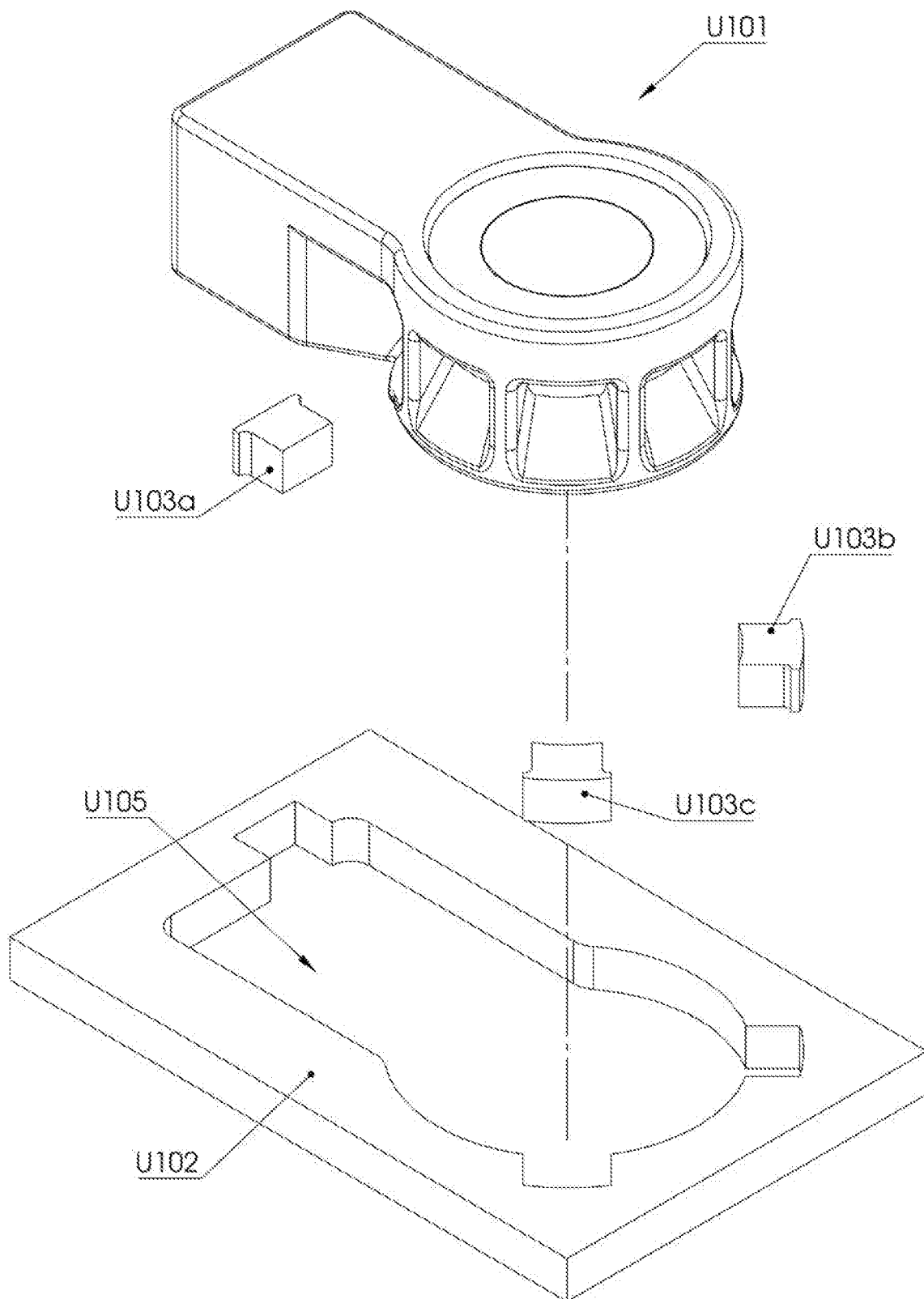


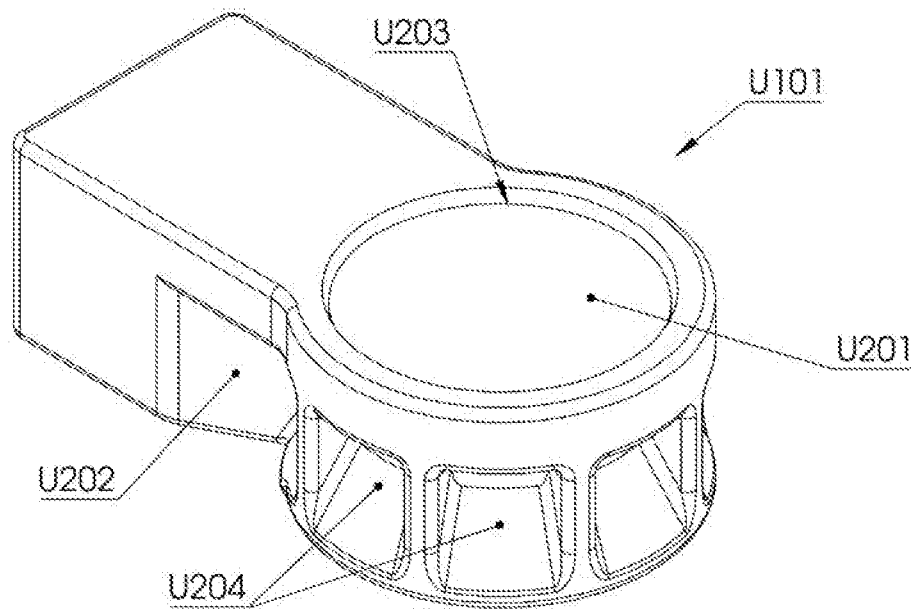
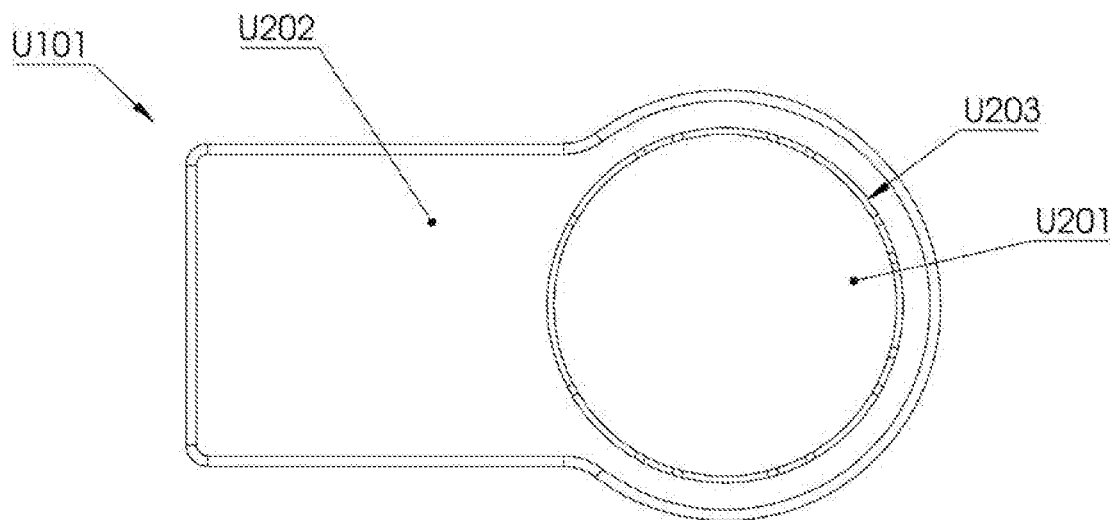
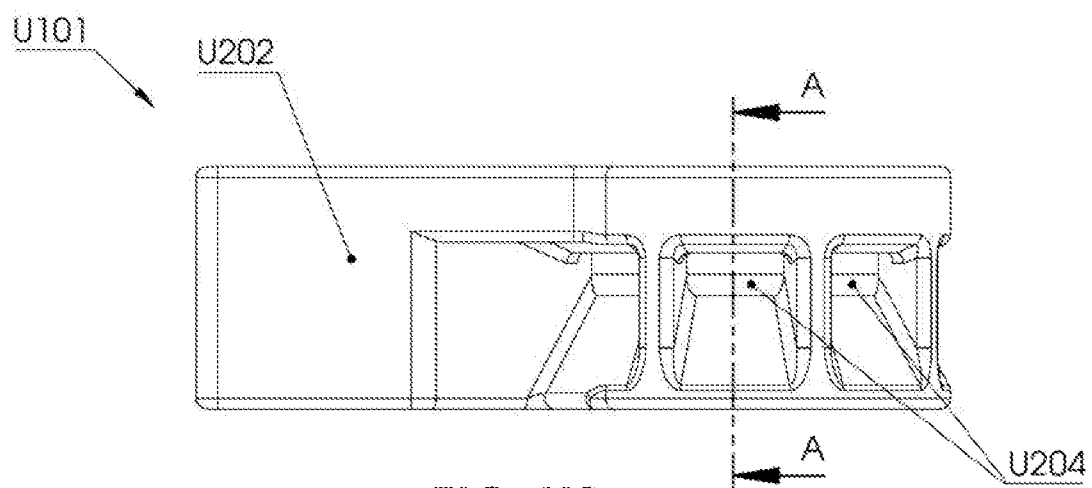
FIG. T3e

**FIG. T4a****FIG. T4b**

**FIG. U1a****FIG. U1b**



**FIG. U1f**

**FIG. U2a****FIG. U2b****FIG. U2c**

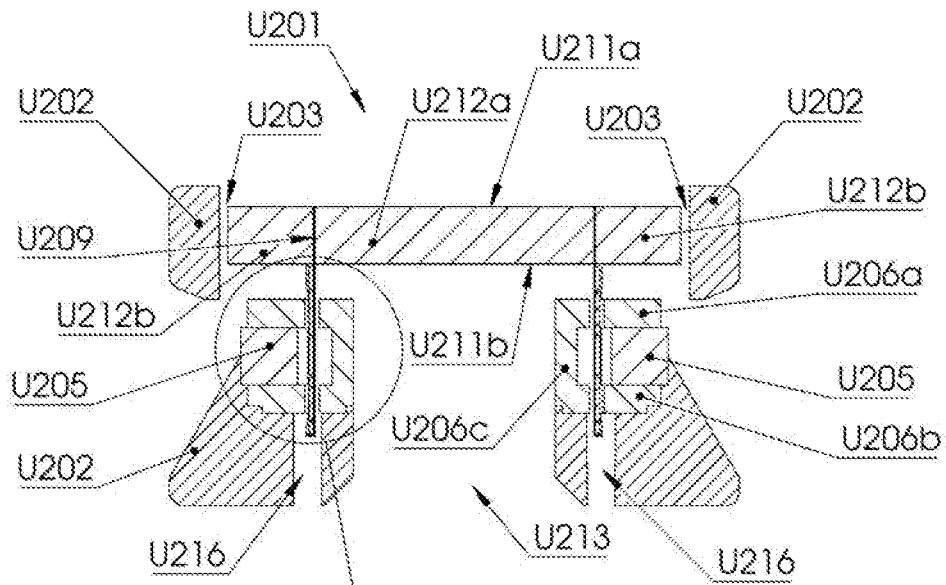


FIG. U2d

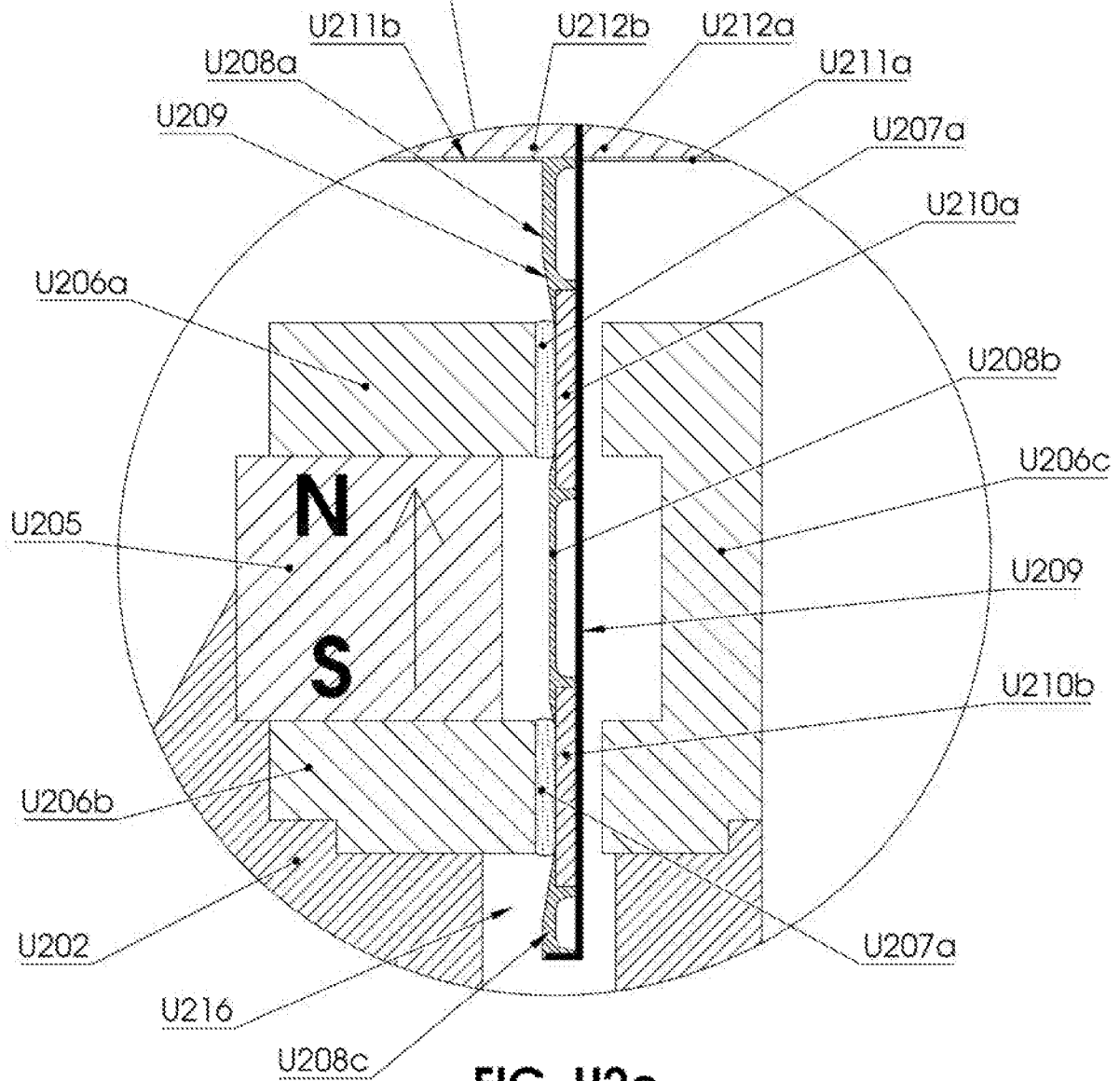


FIG. U2e

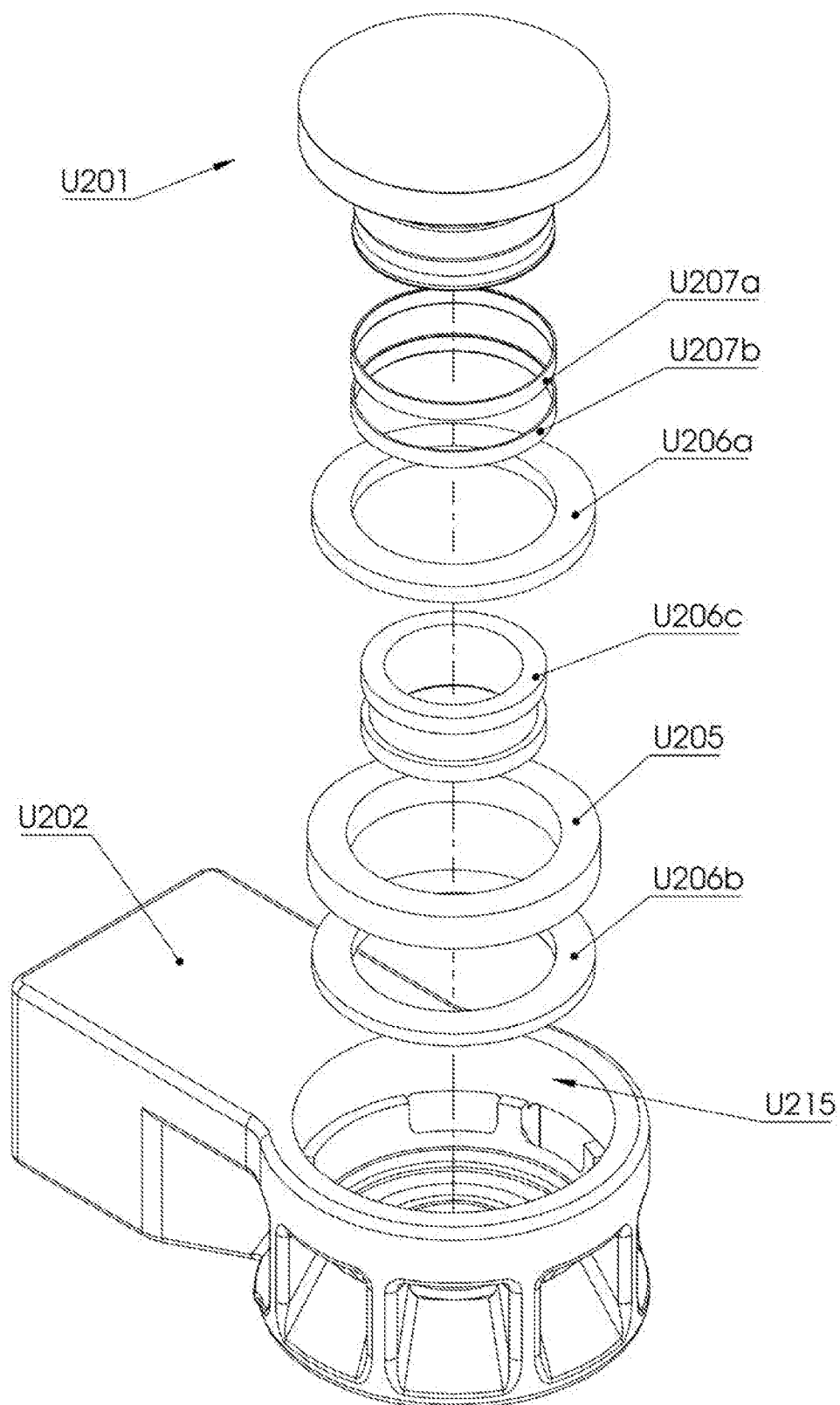


FIG. U2f

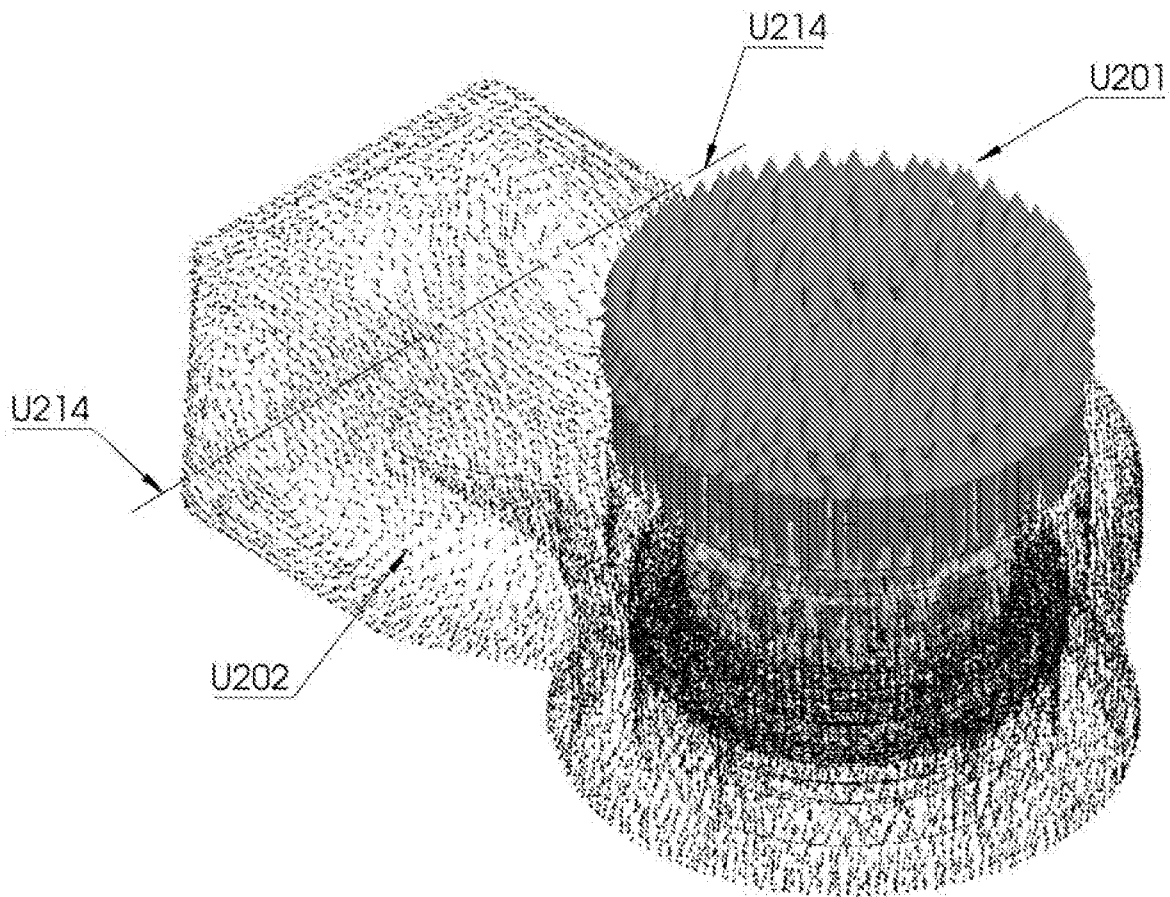


FIG. U2g

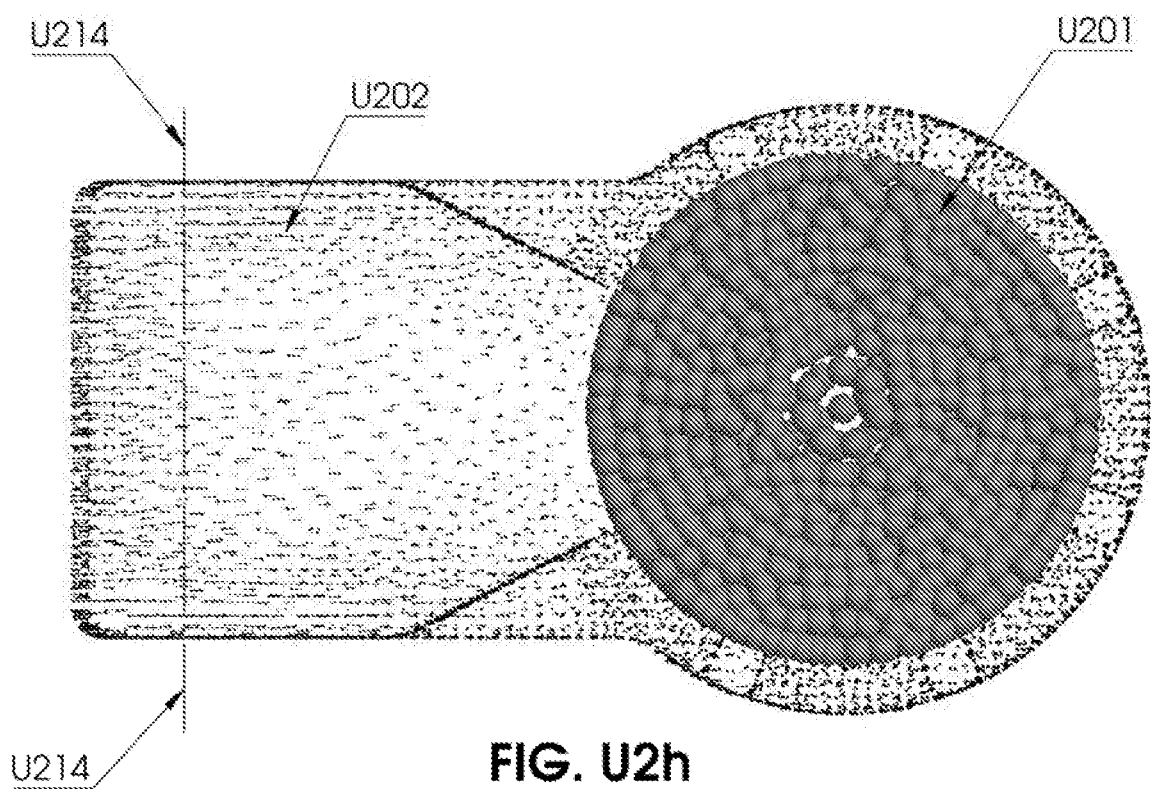


FIG. U2h

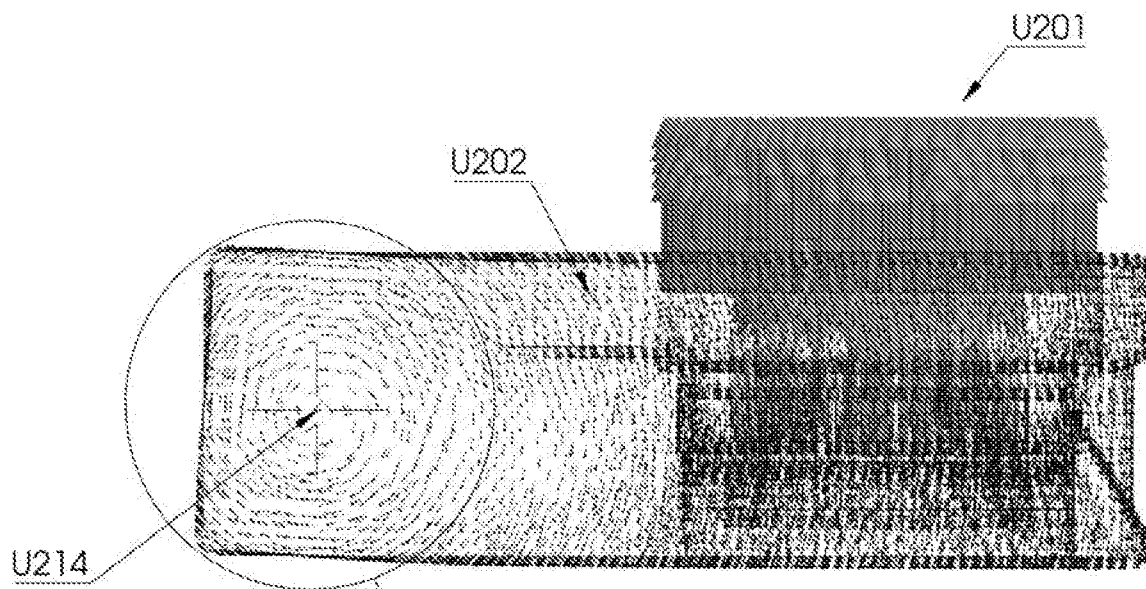


FIG. U2i

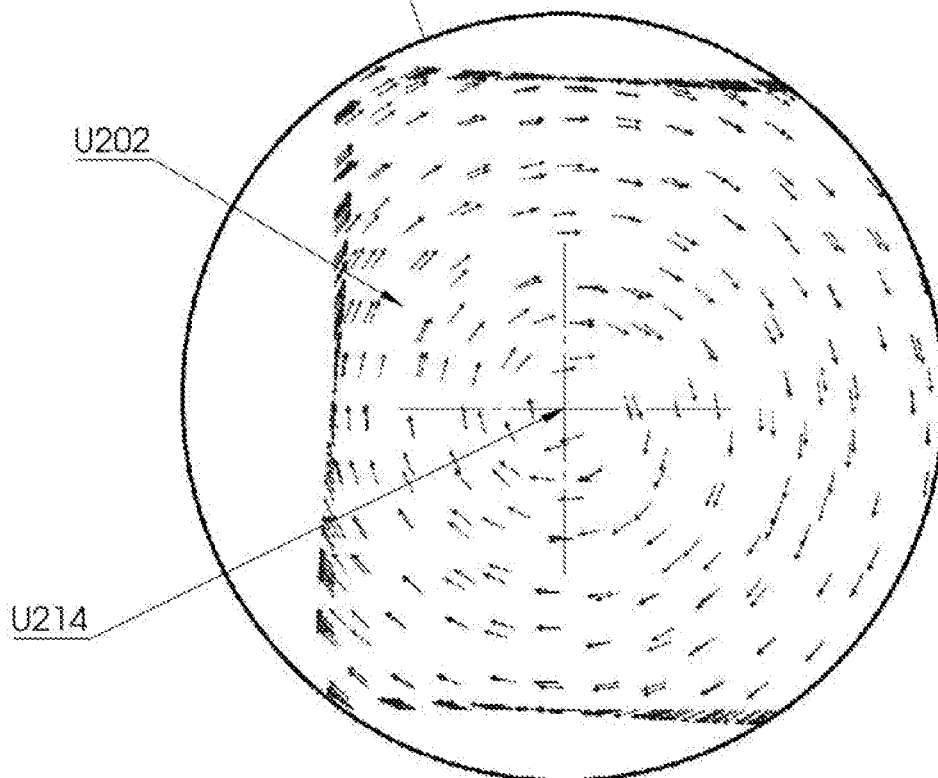


FIG. U2j

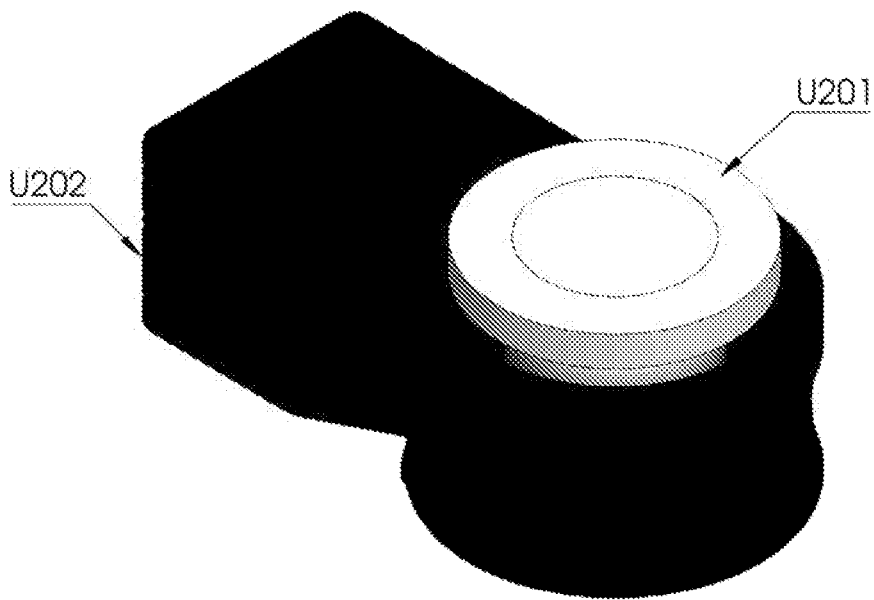


FIG. U2k

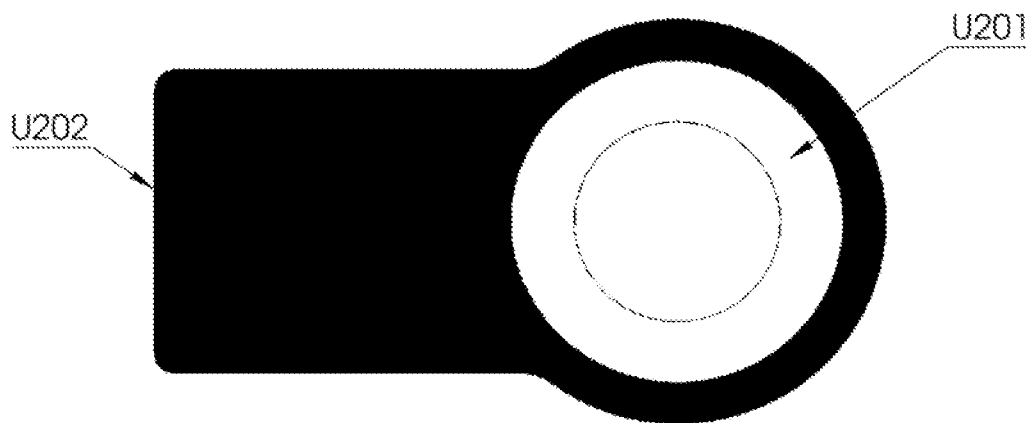


FIG. U2l

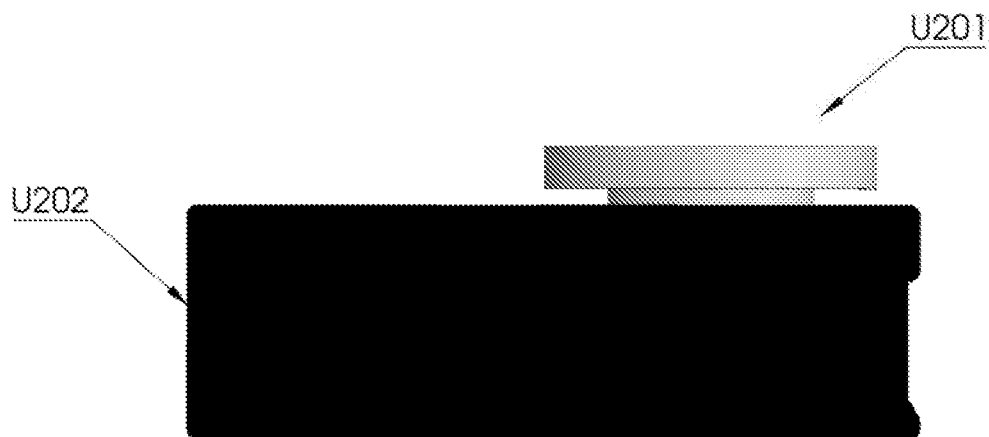
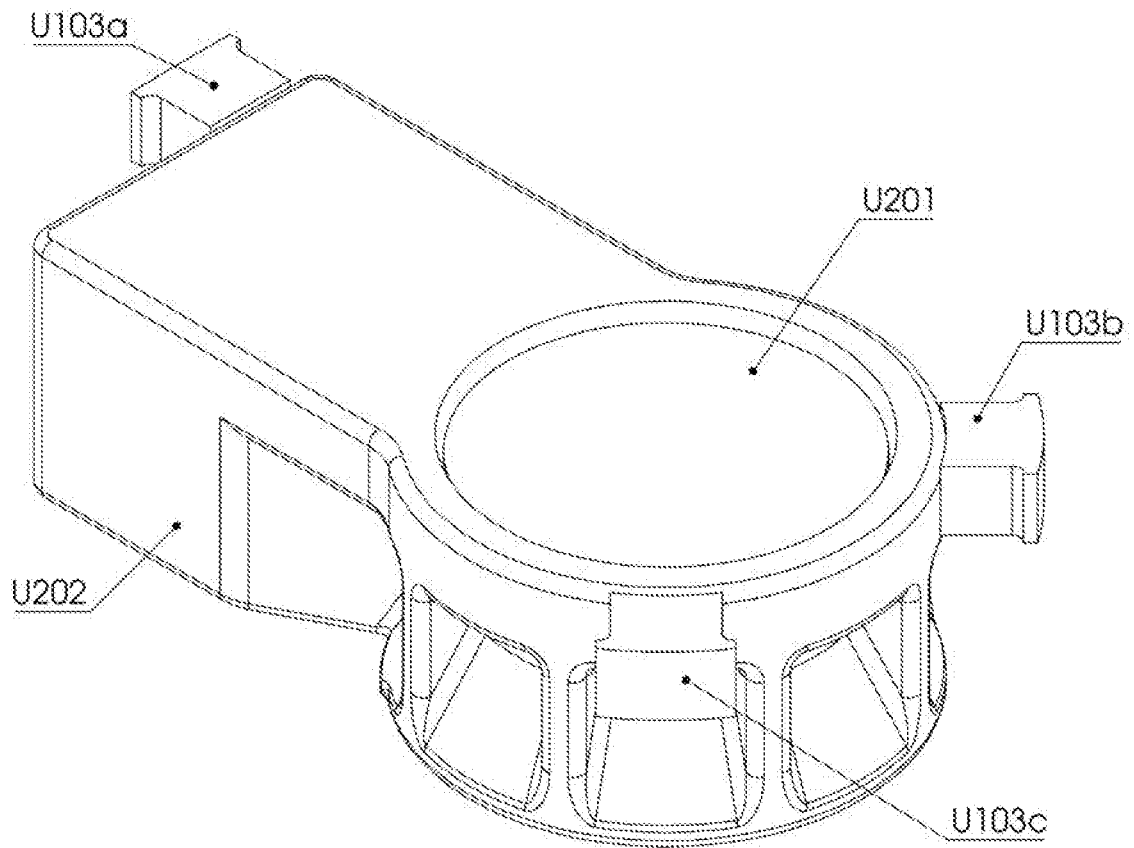
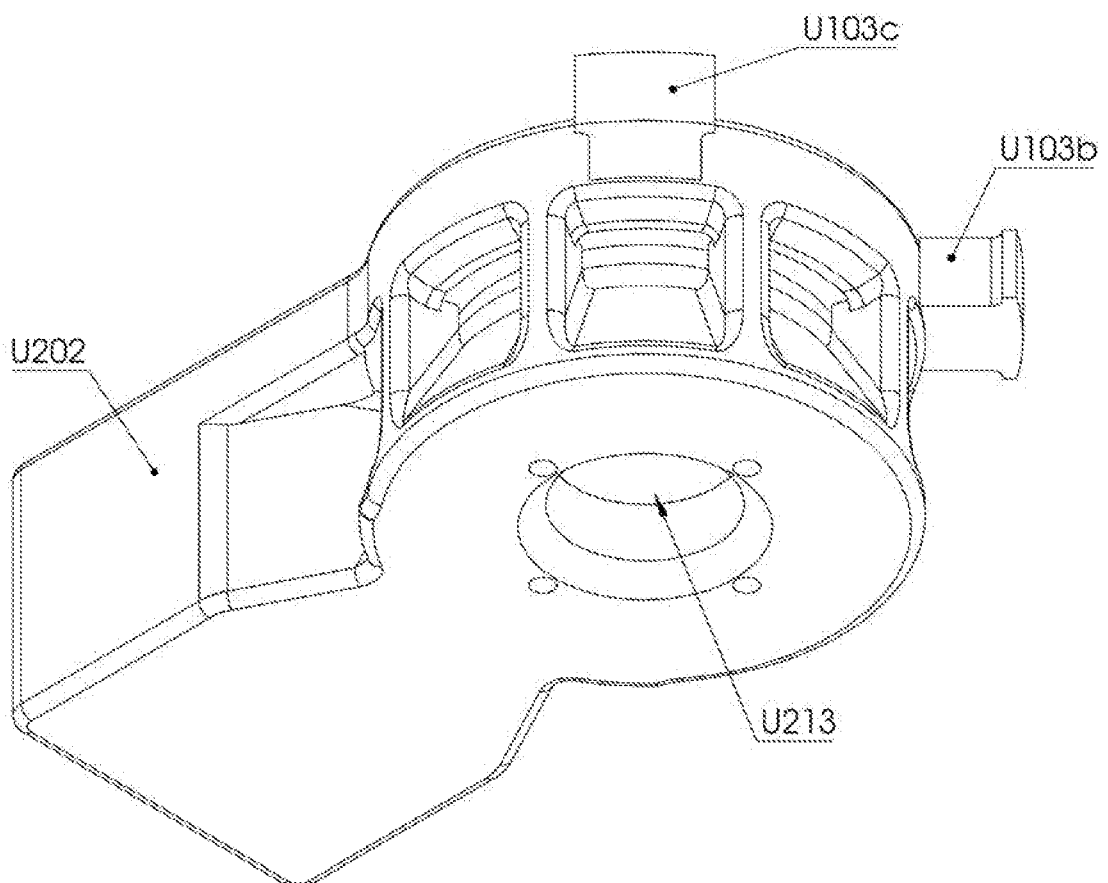
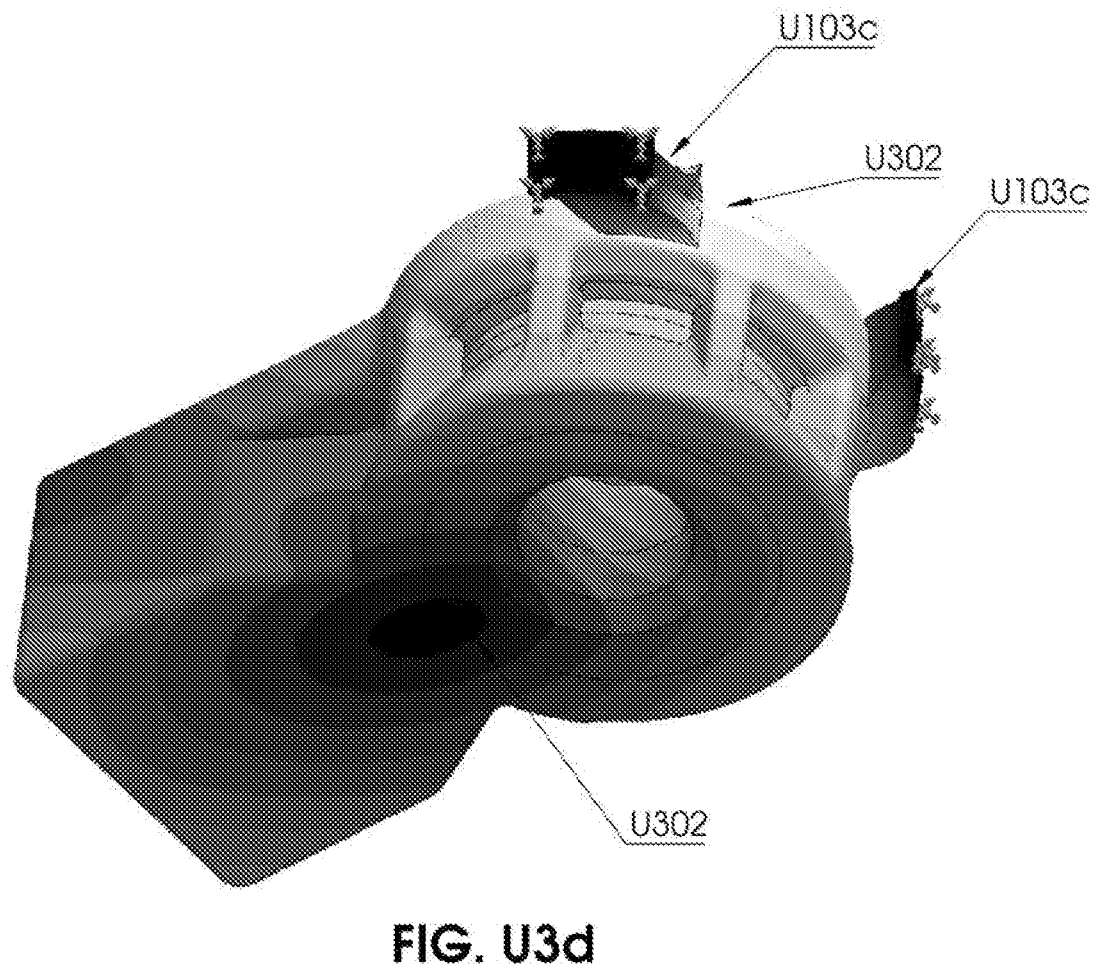
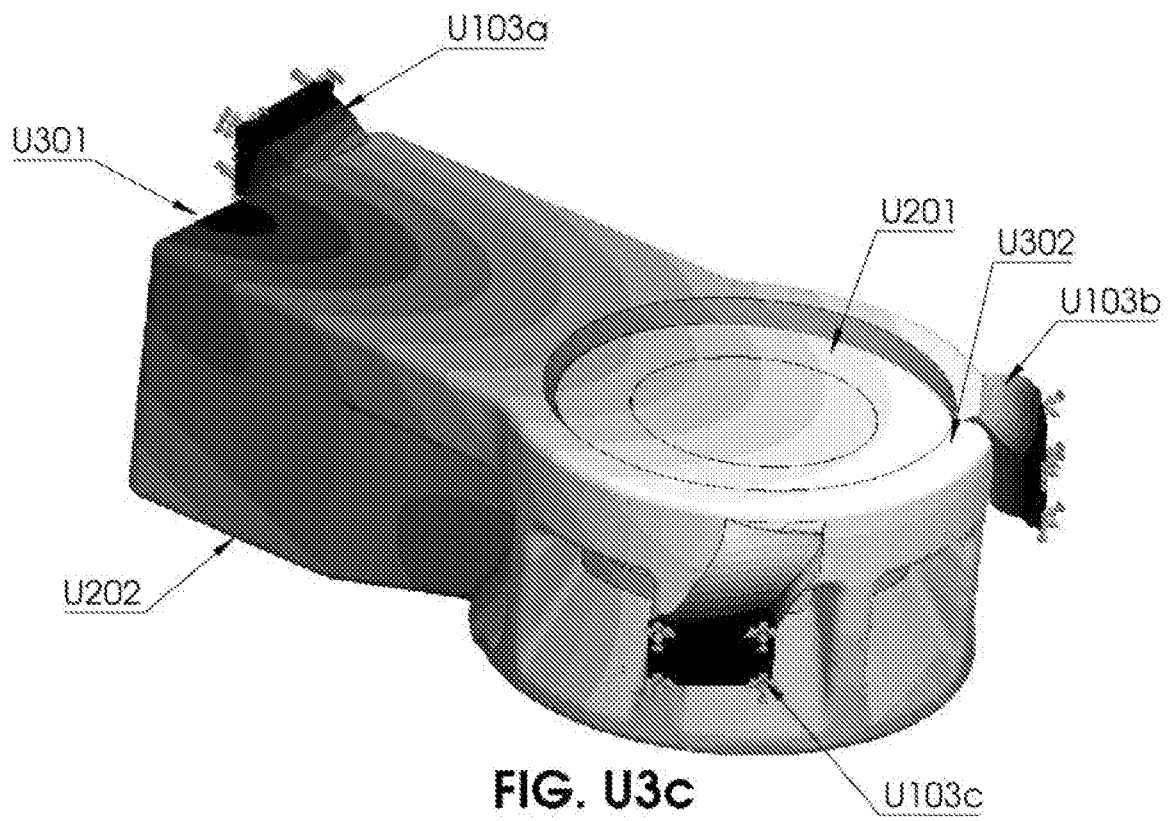
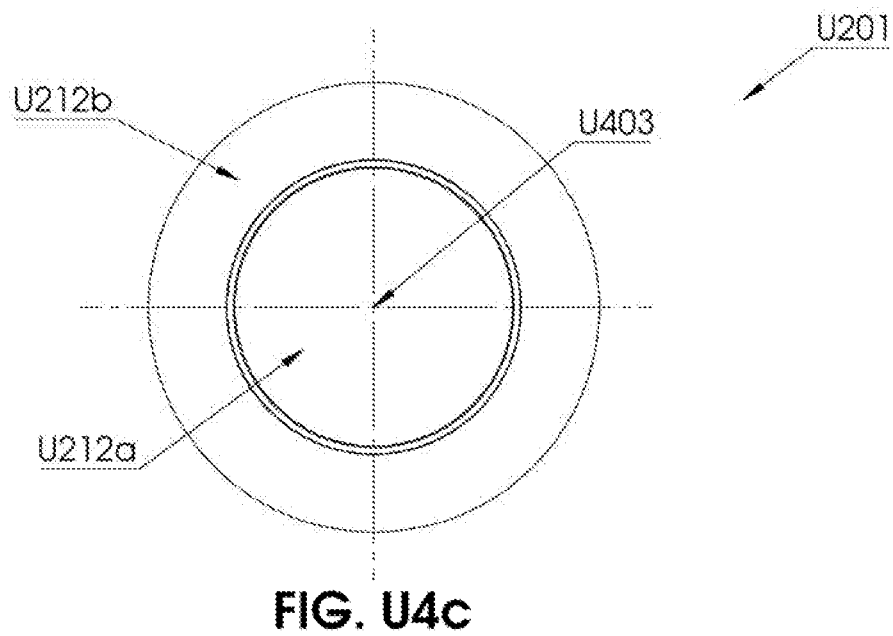
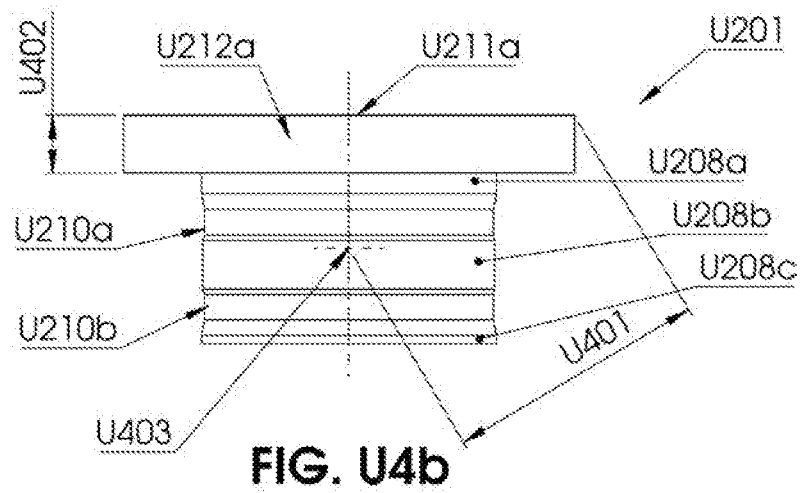
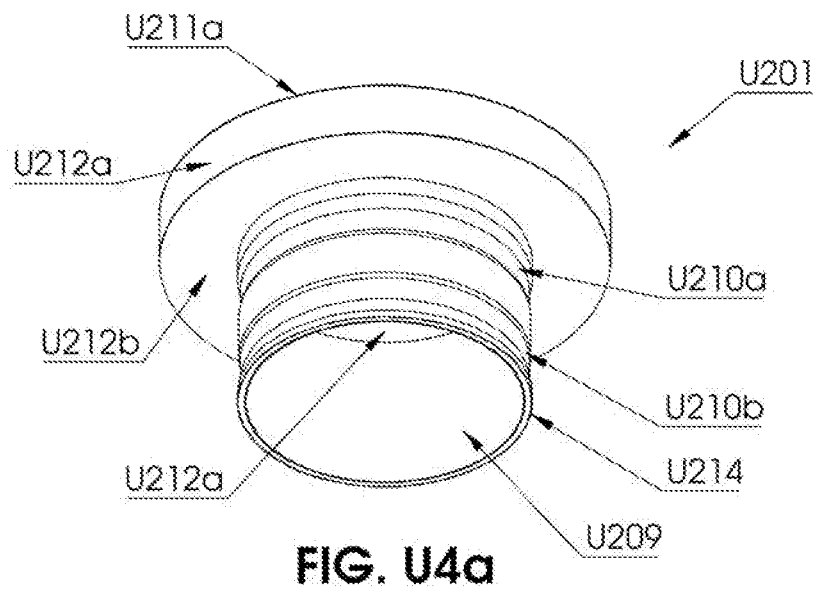


FIG. U2m

**FIG. U3a****FIG. U3b**





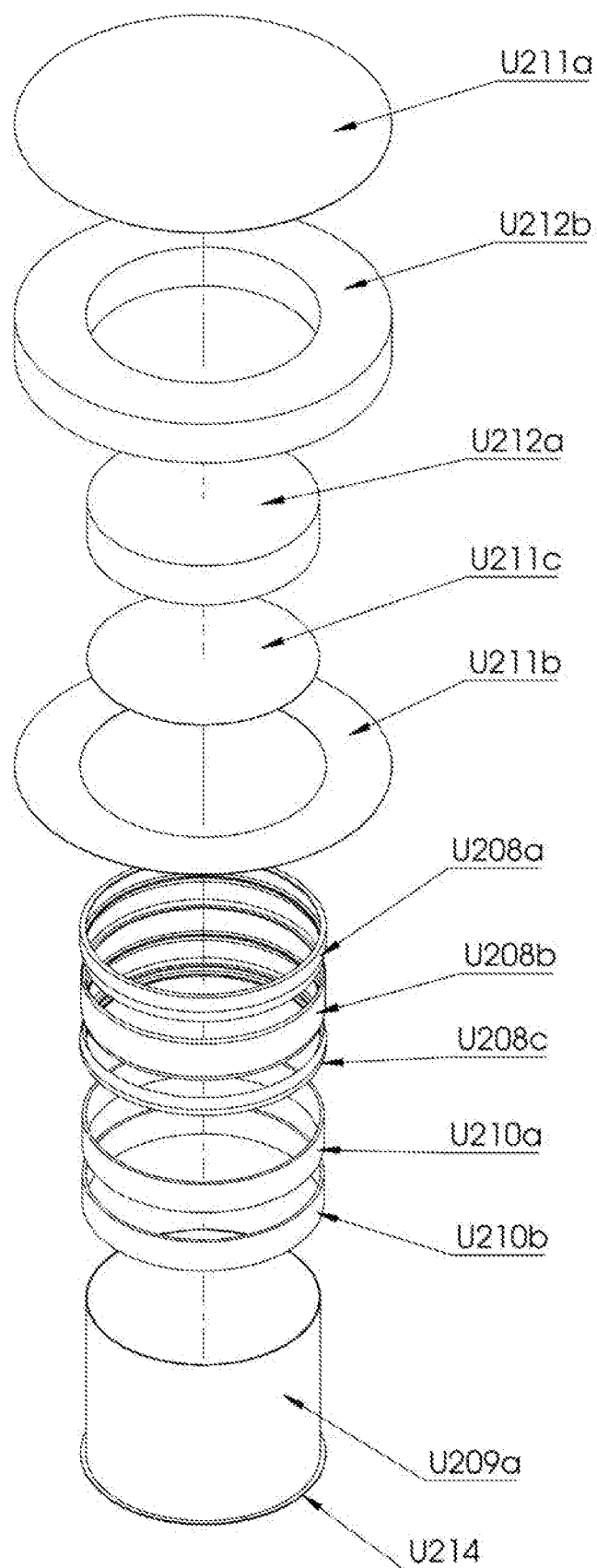
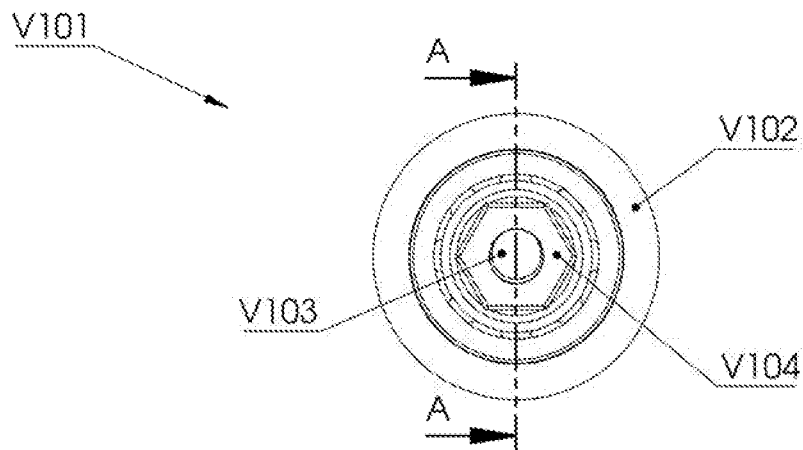
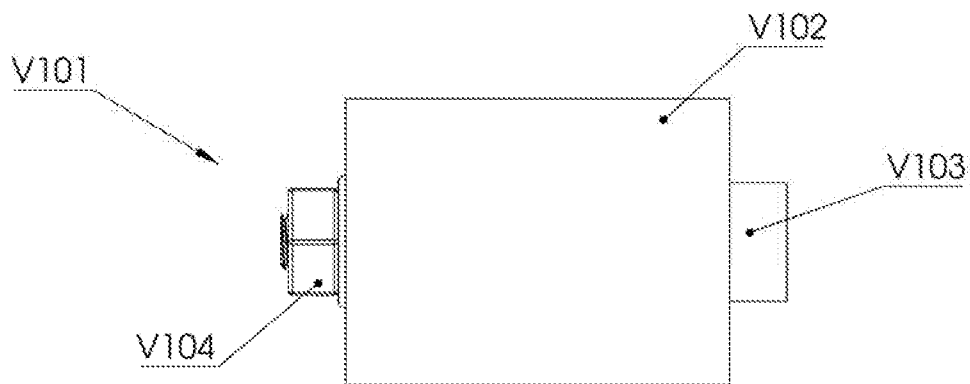


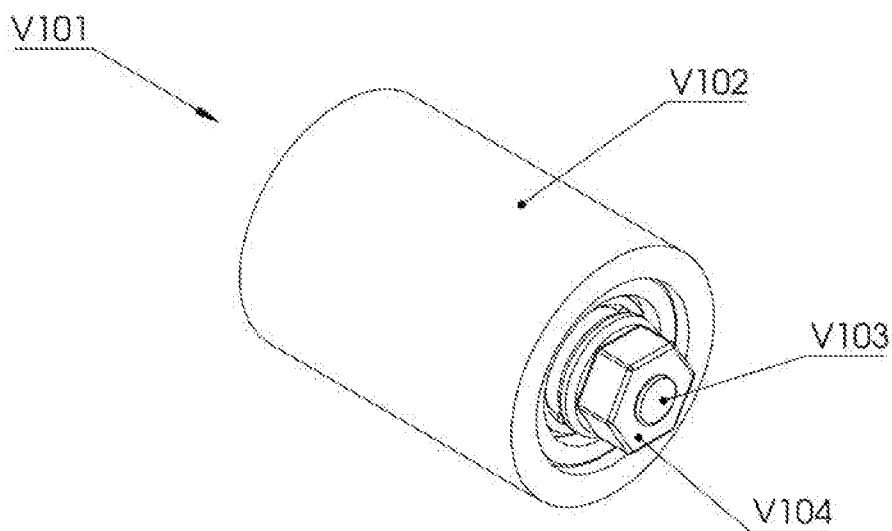
FIG. U4d



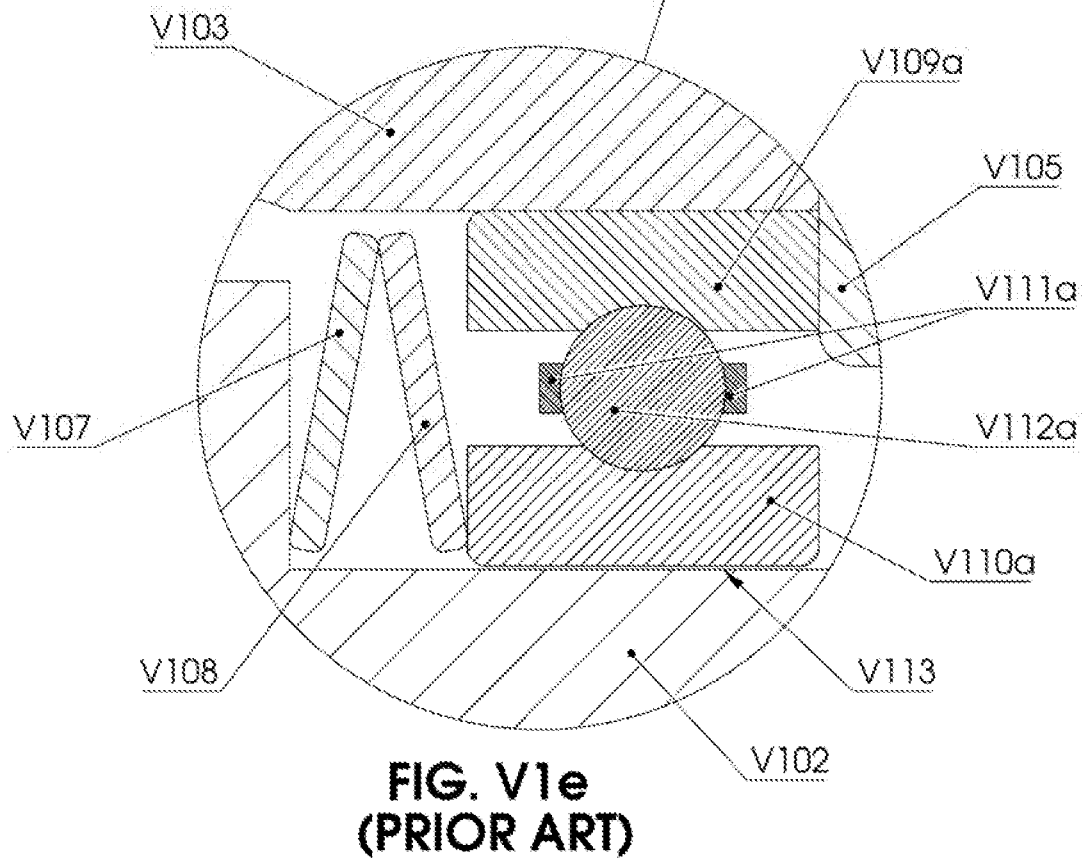
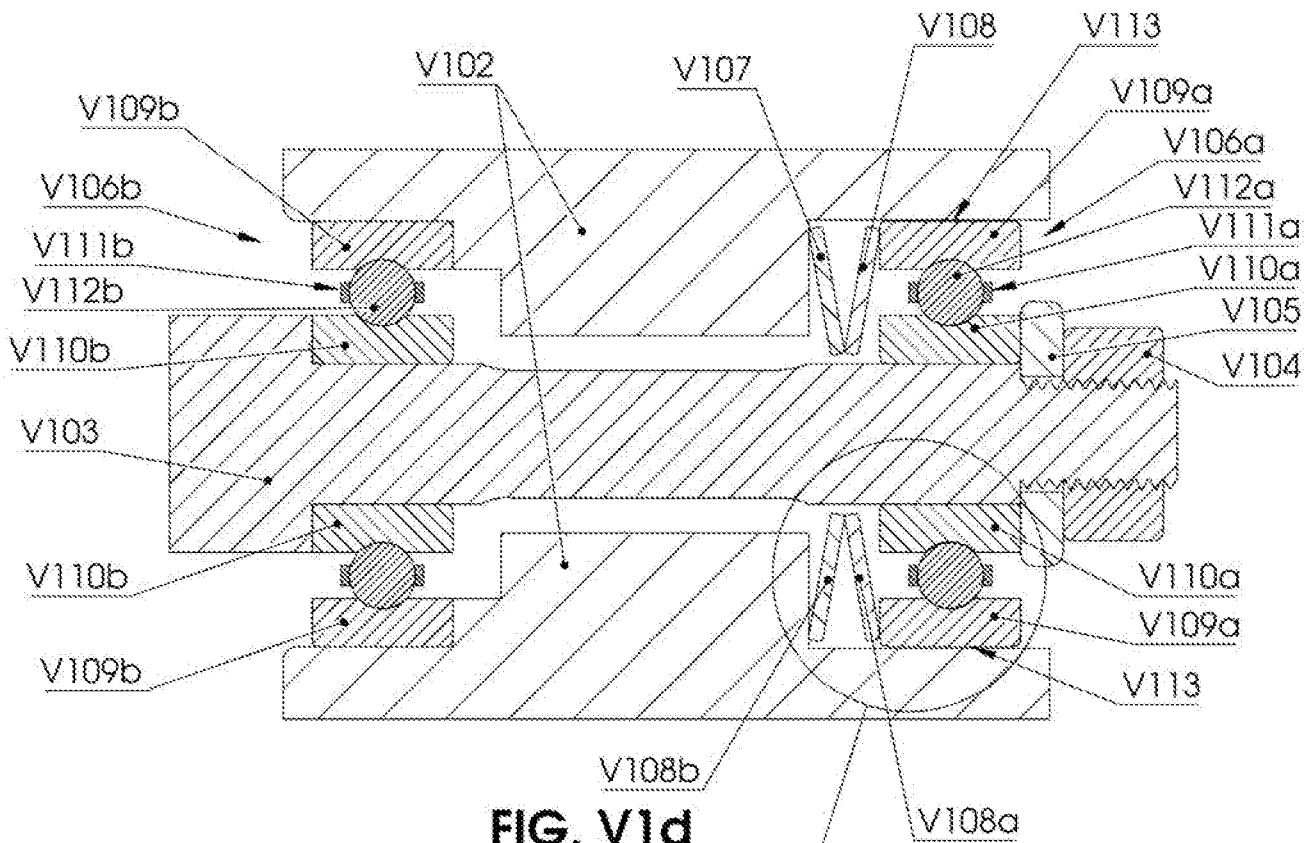
**FIG. V1a
(PRIOR ART)**

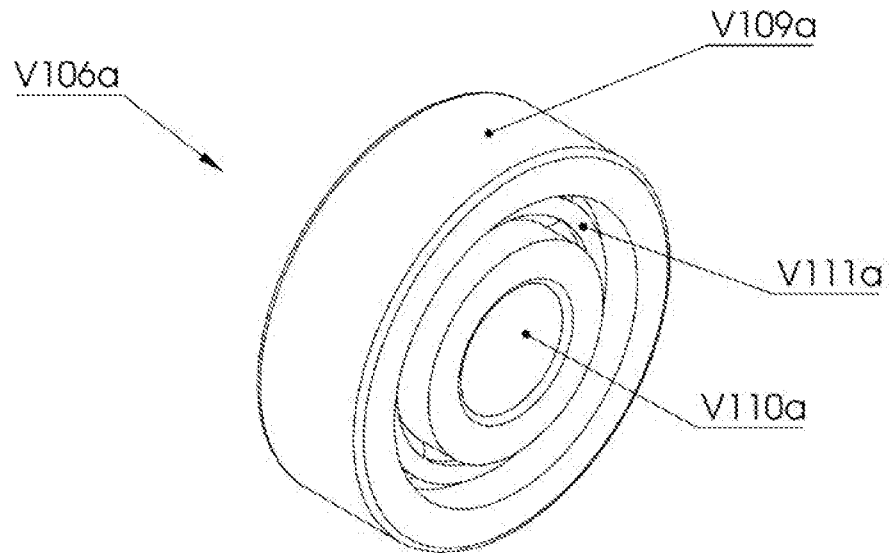


**FIG. V1b
(PRIOR ART)**

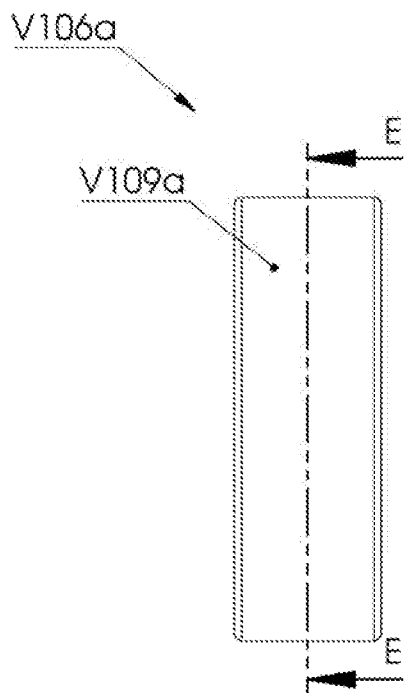


**FIG. V1c
(PRIOR ART)**

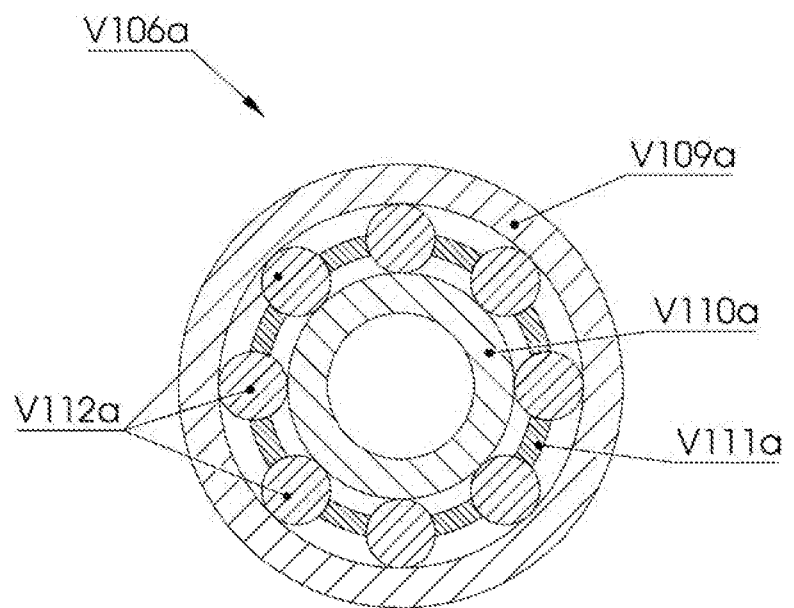




**FIG. V2a
(PRIOR ART)**



**FIG. V2b
(PRIOR ART)**



**FIG. V2c
(PRIOR ART)**

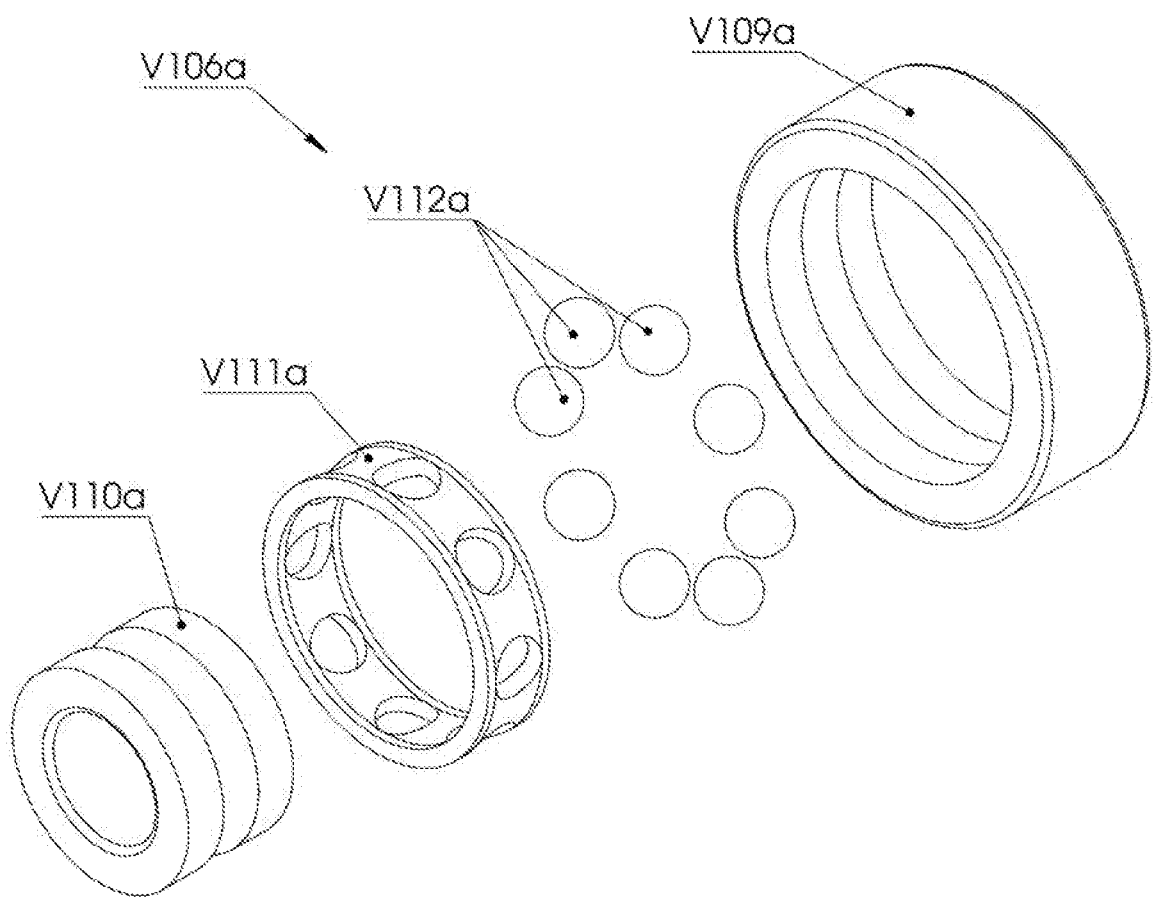
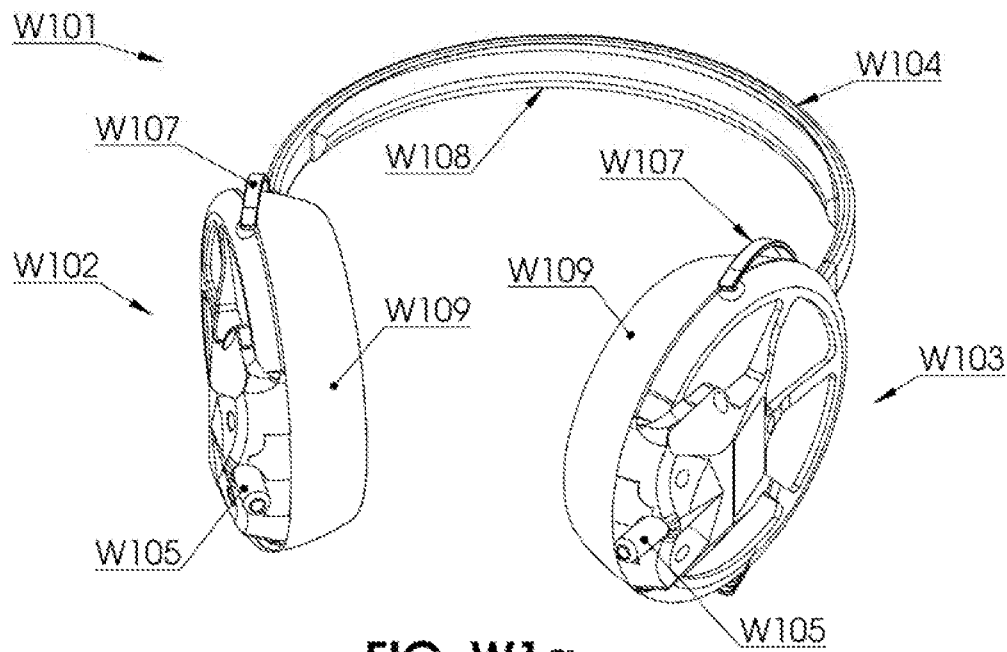
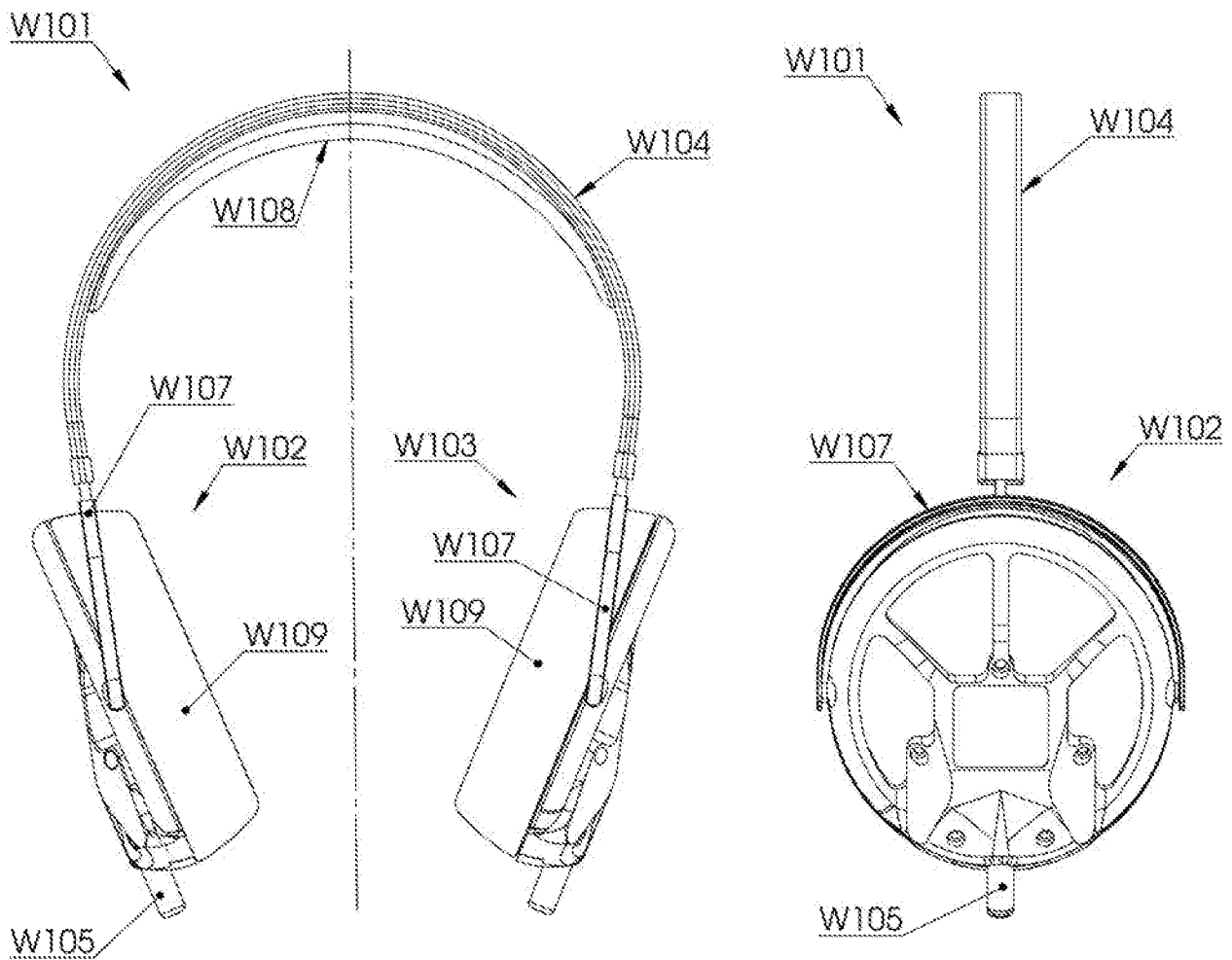
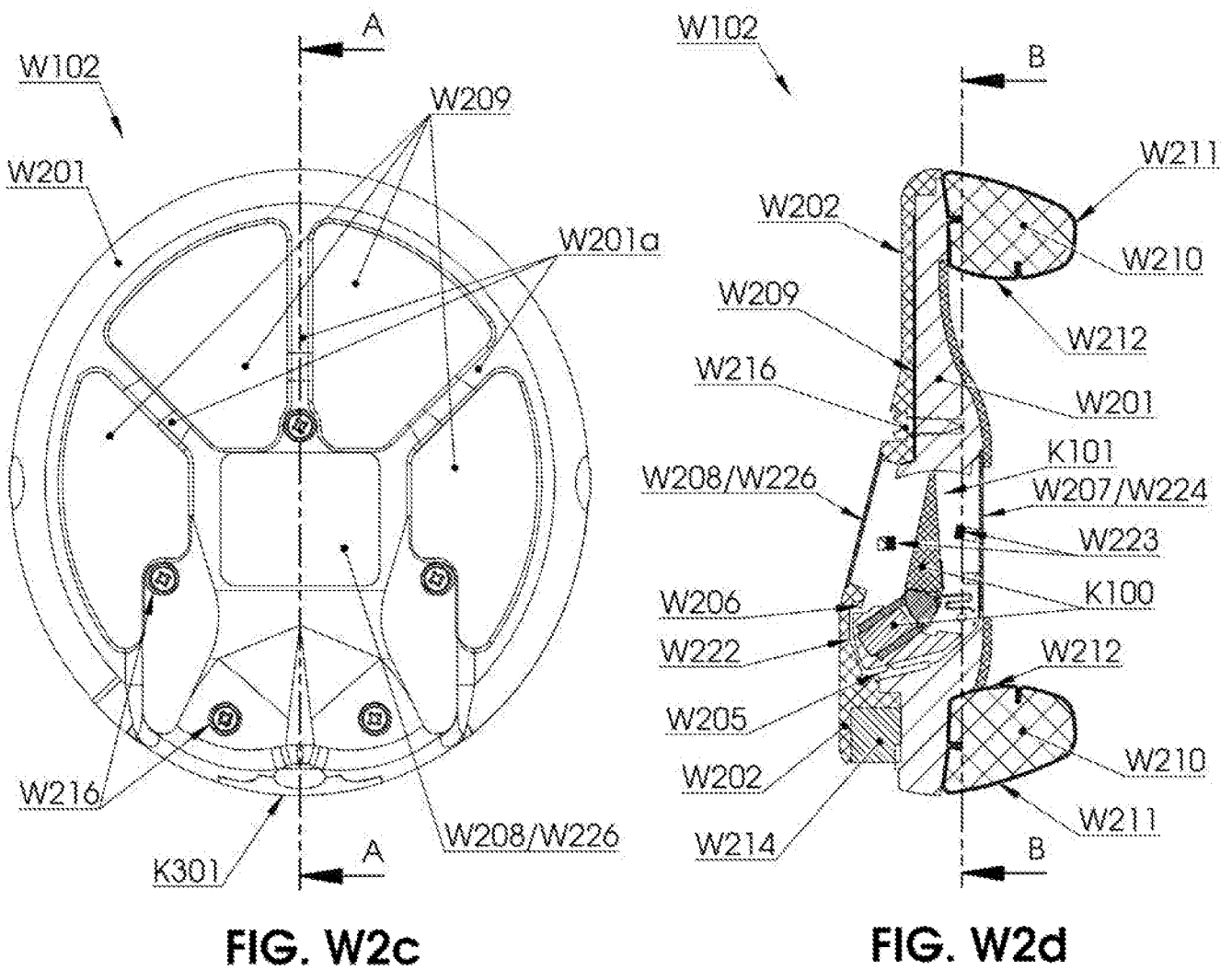
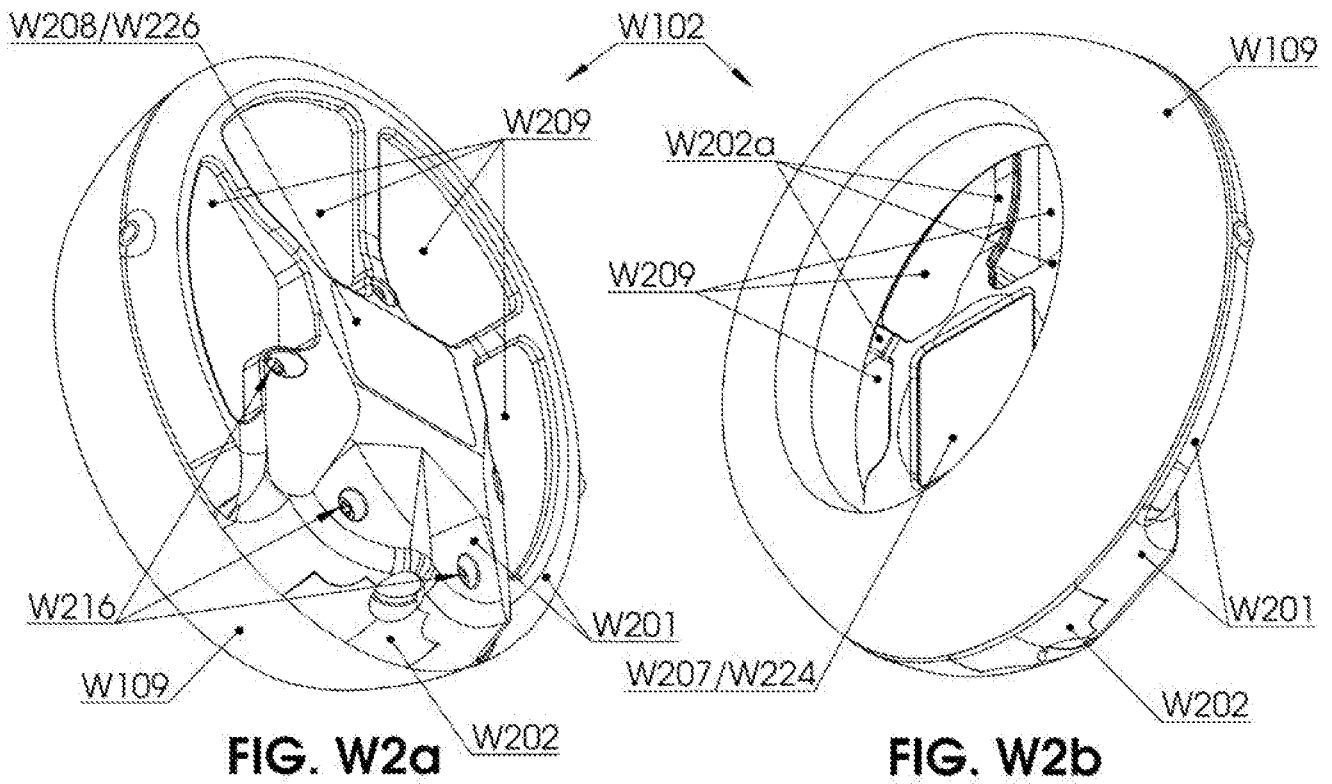
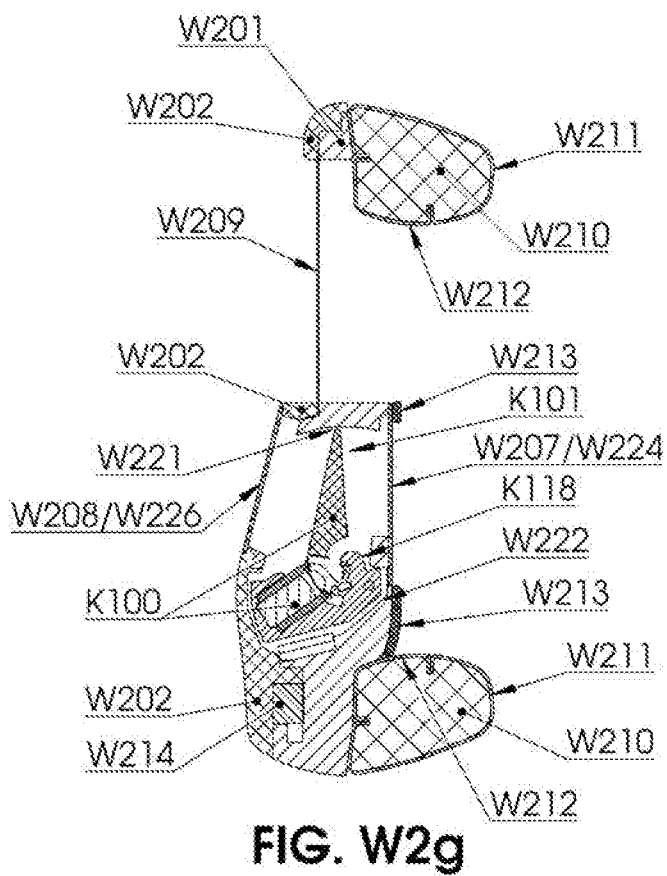
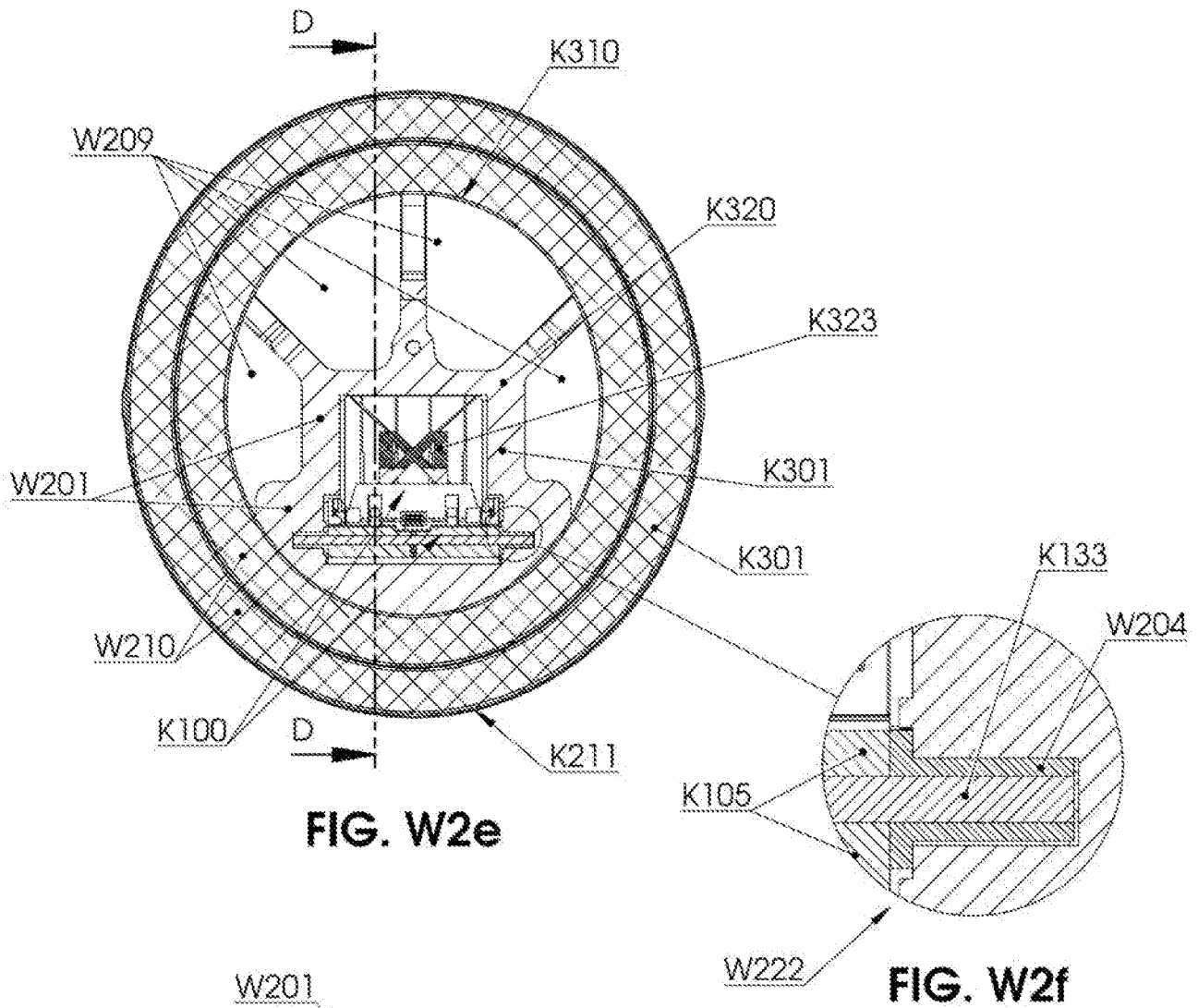


FIG. V2d
(PRIOR ART)

**FIG. W1a****FIG. W1b****FIG. W1c**





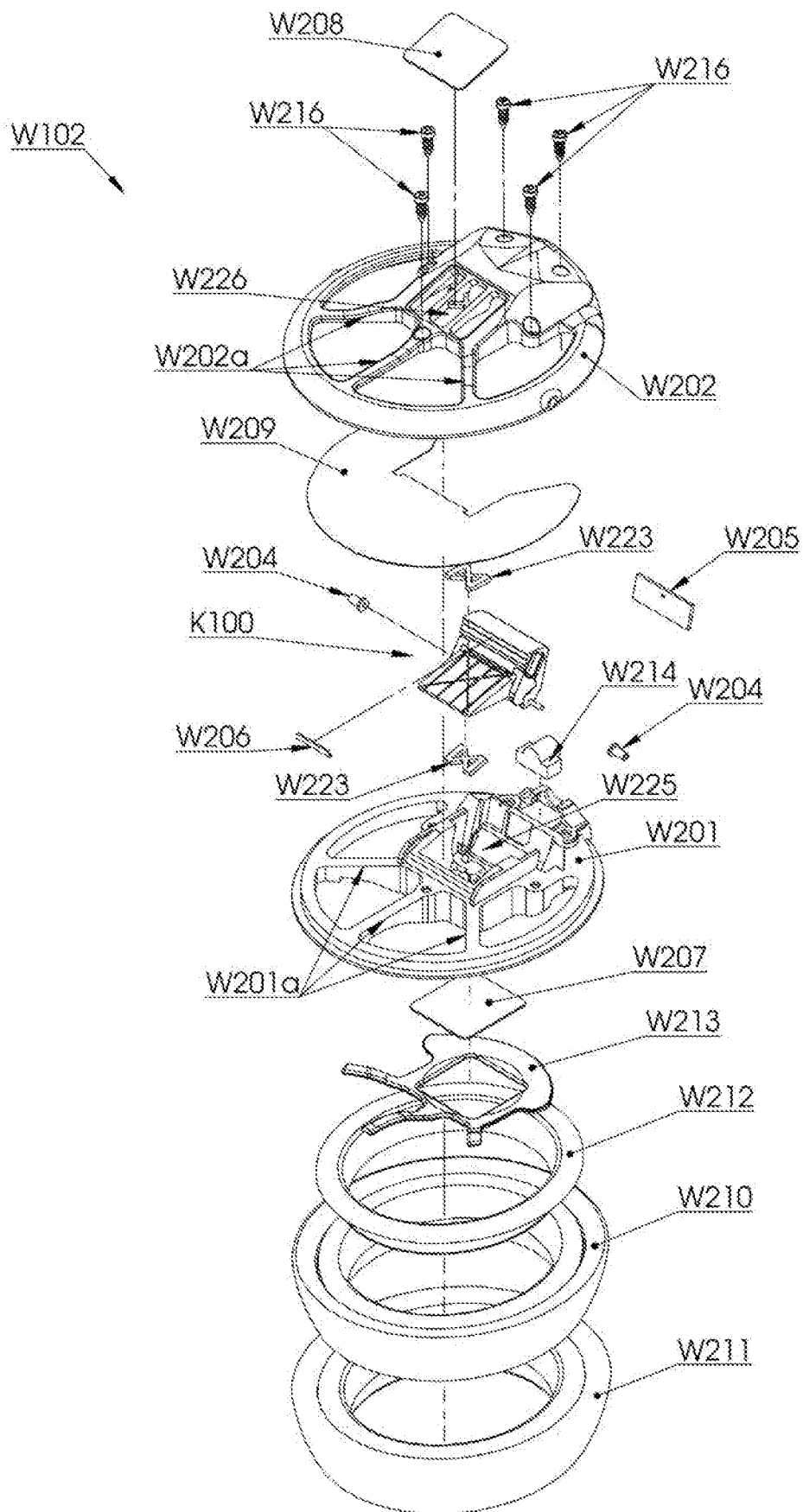


FIG. W2h

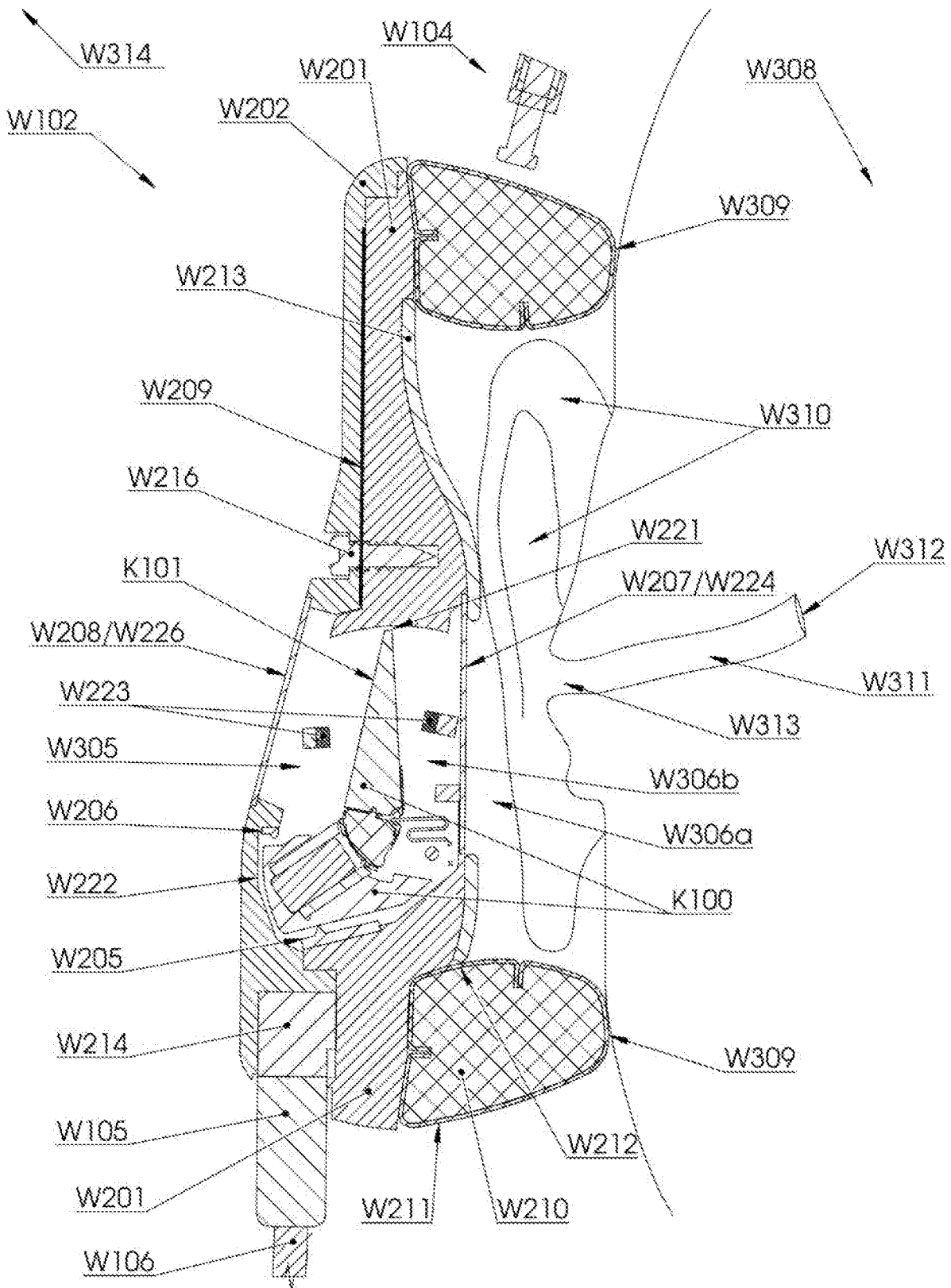


FIG. W3a

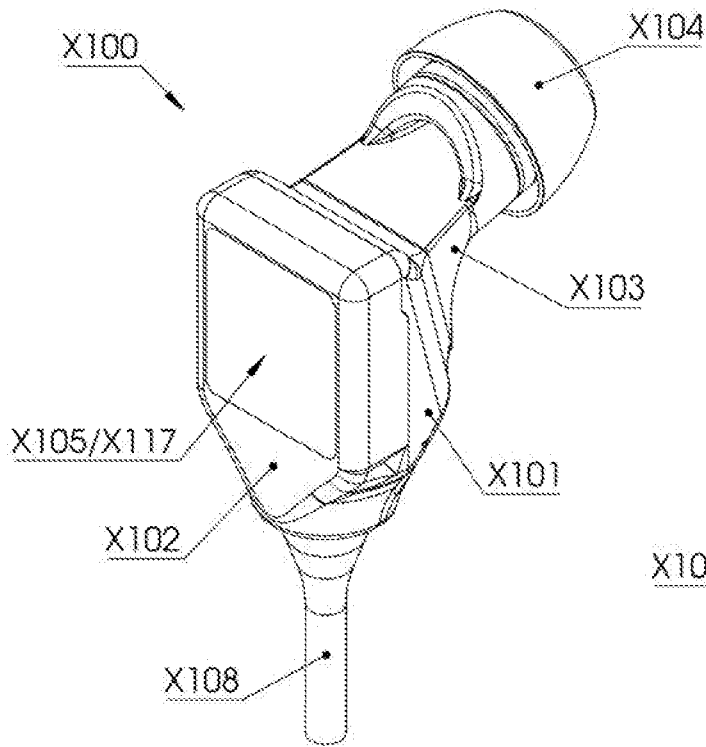


FIG. X1a

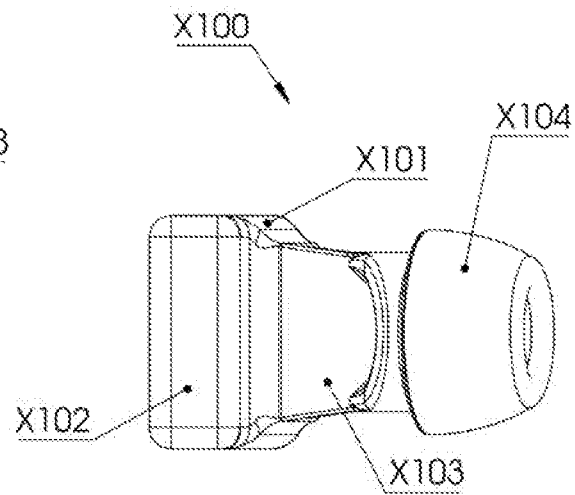


FIG. X1b

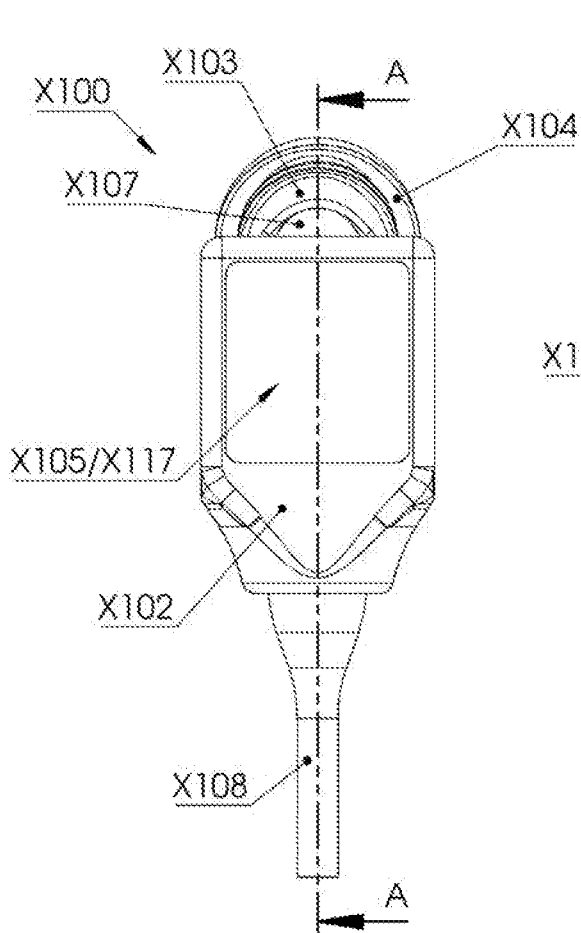


FIG. X1c

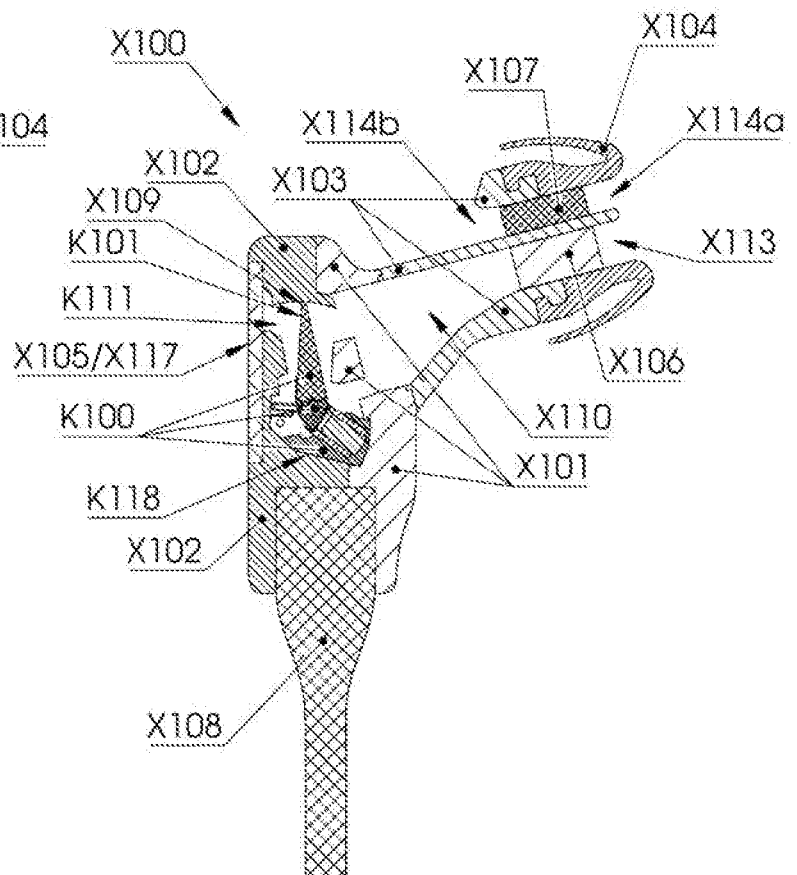


FIG. X1d

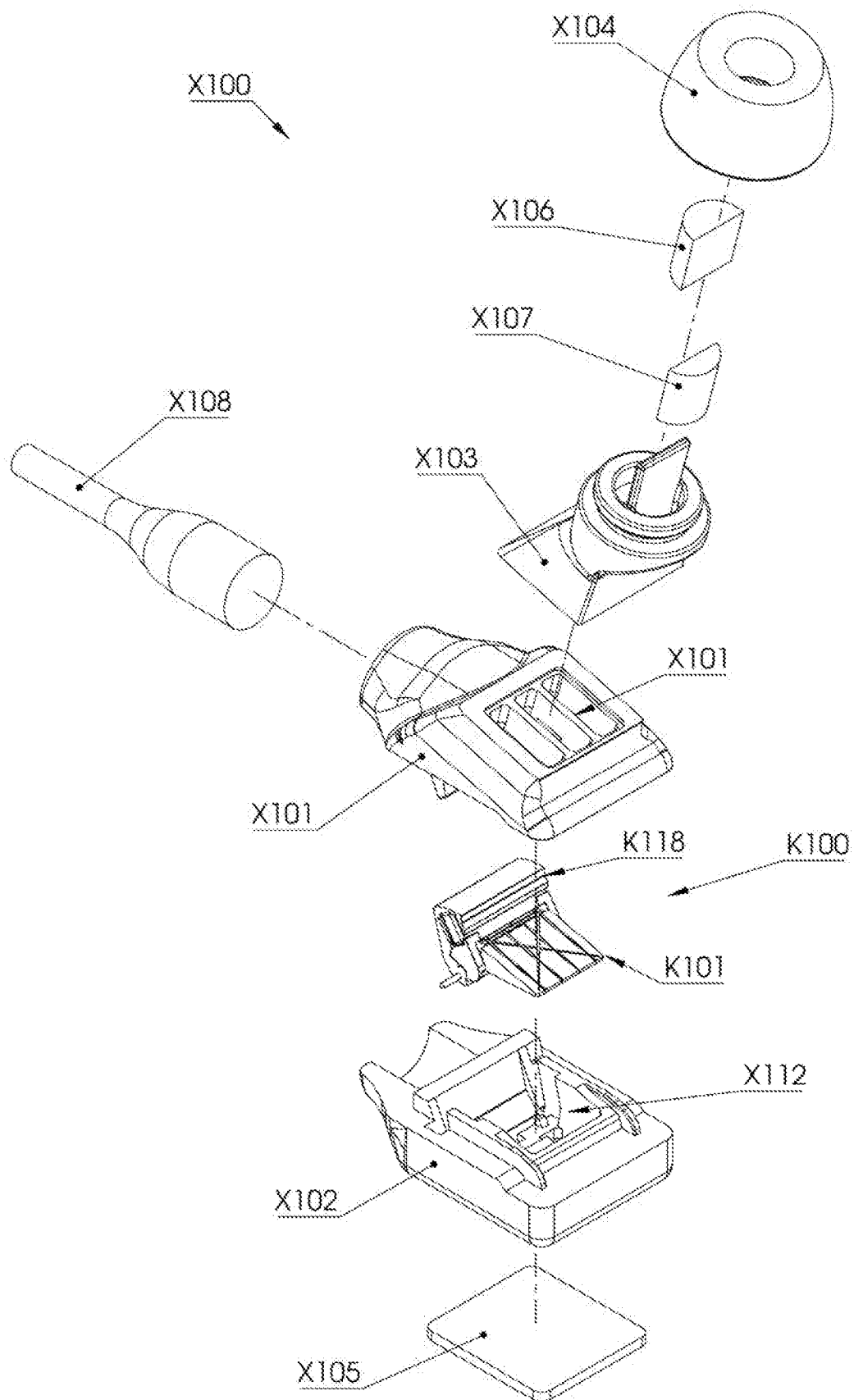


FIG. X1e

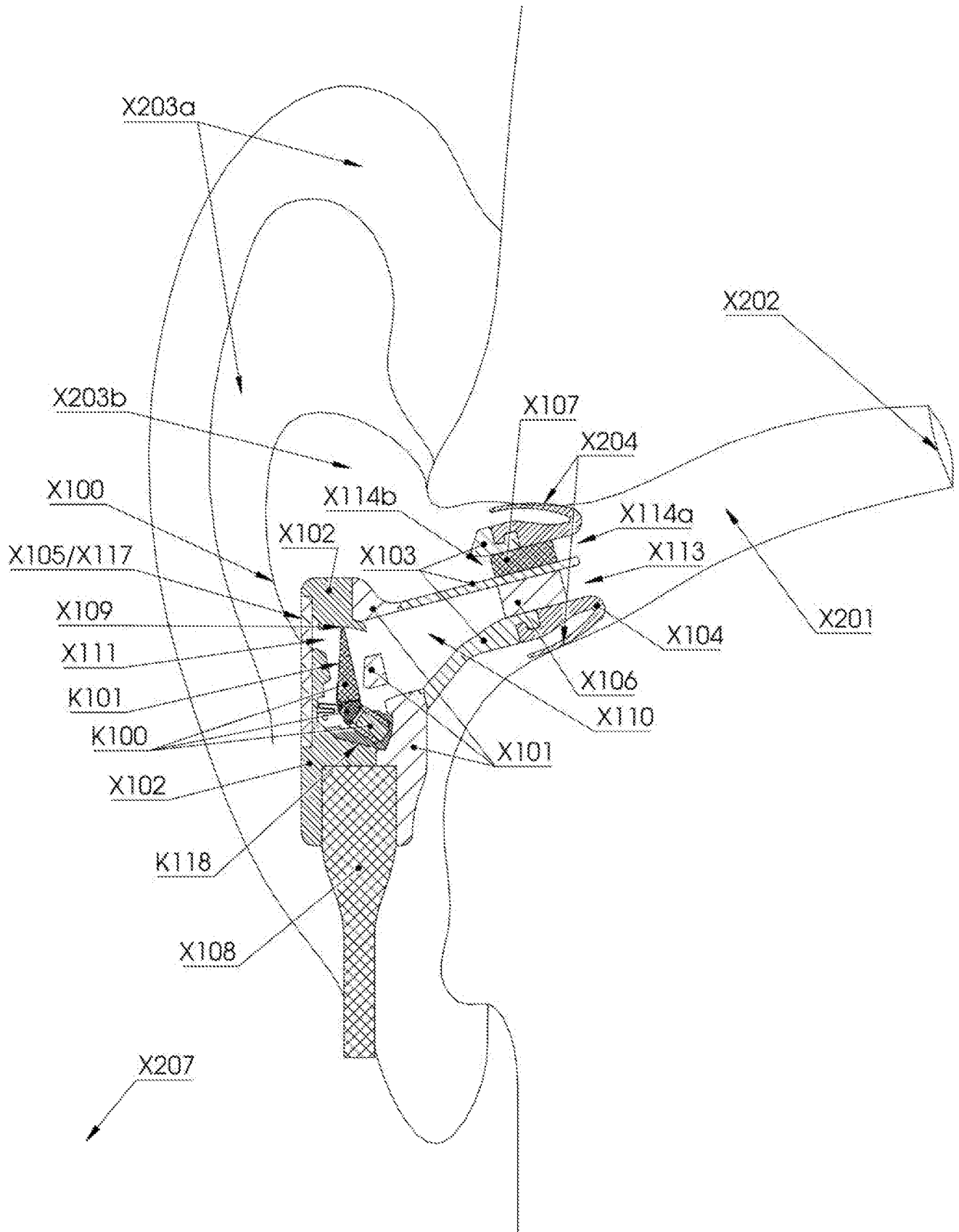
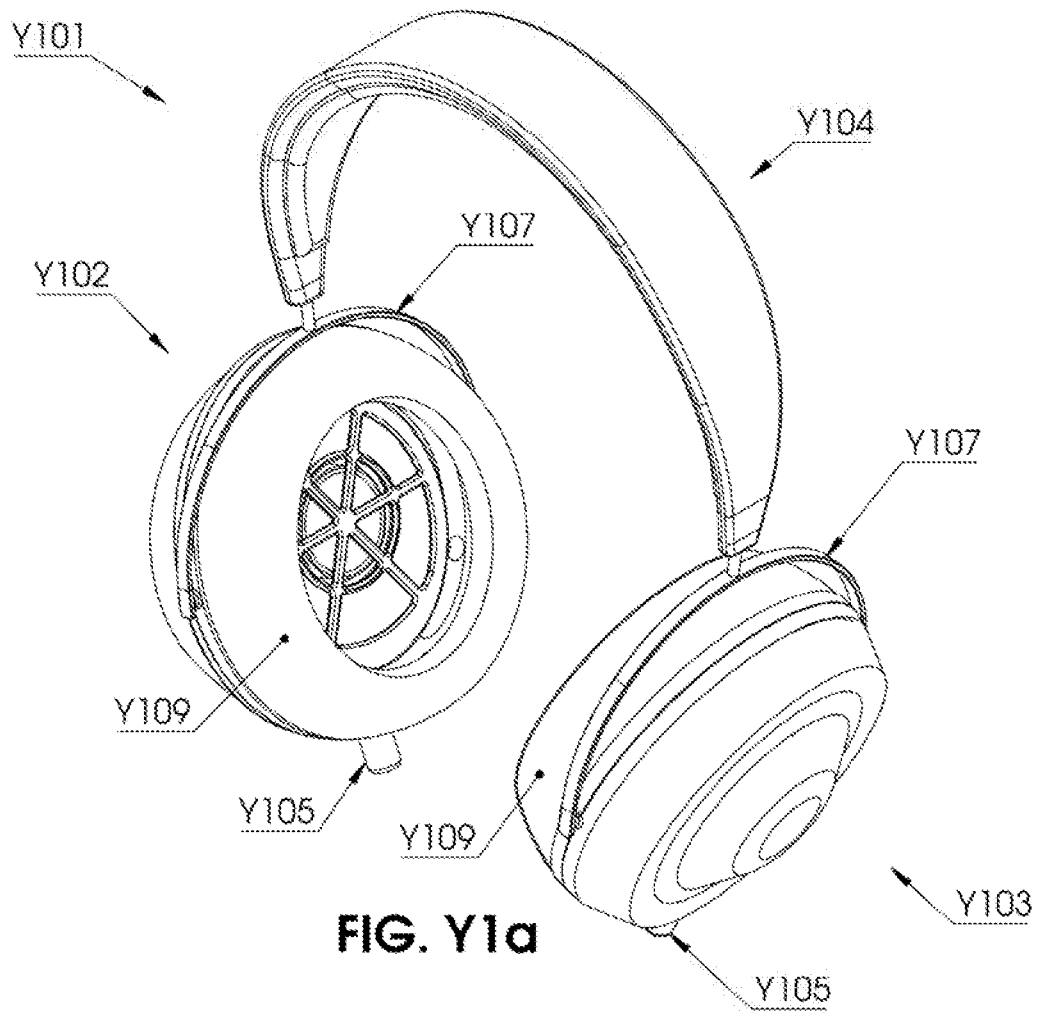
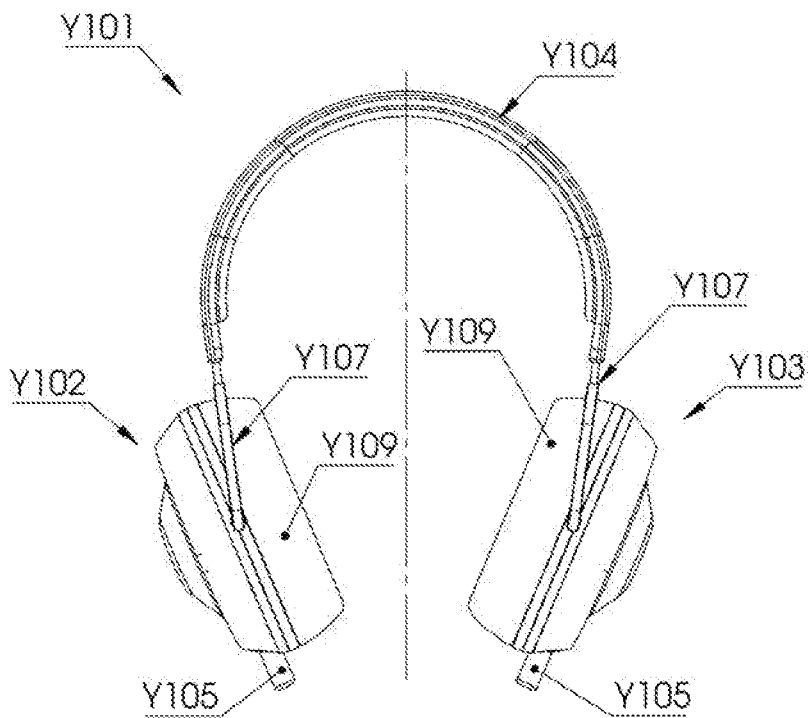
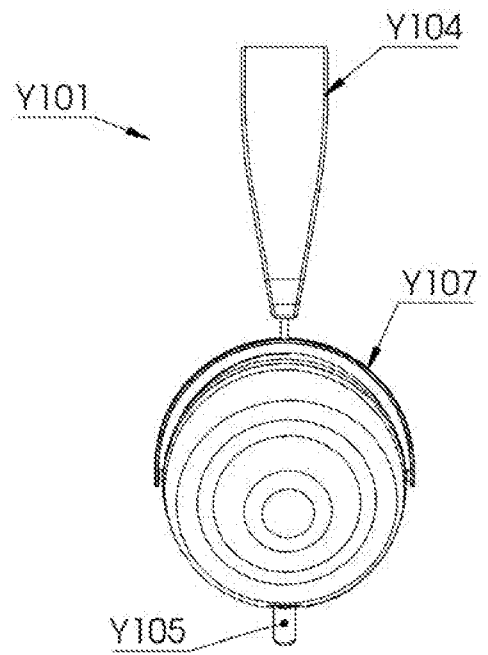


FIG. X2

**FIG. Y1a****FIG. Y1b****FIG. Y1c**

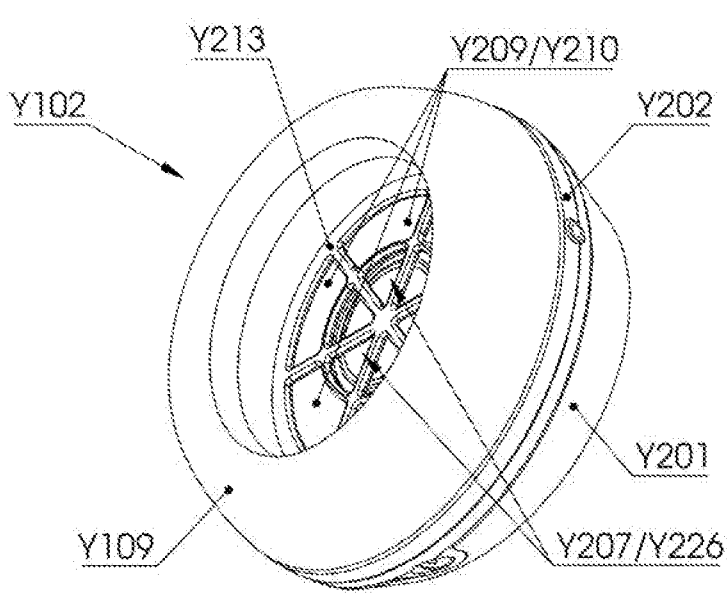


FIG. Y2a

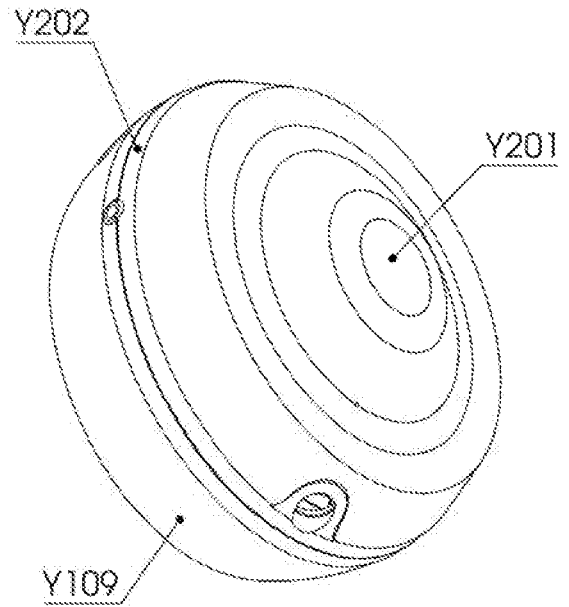


FIG. Y2b

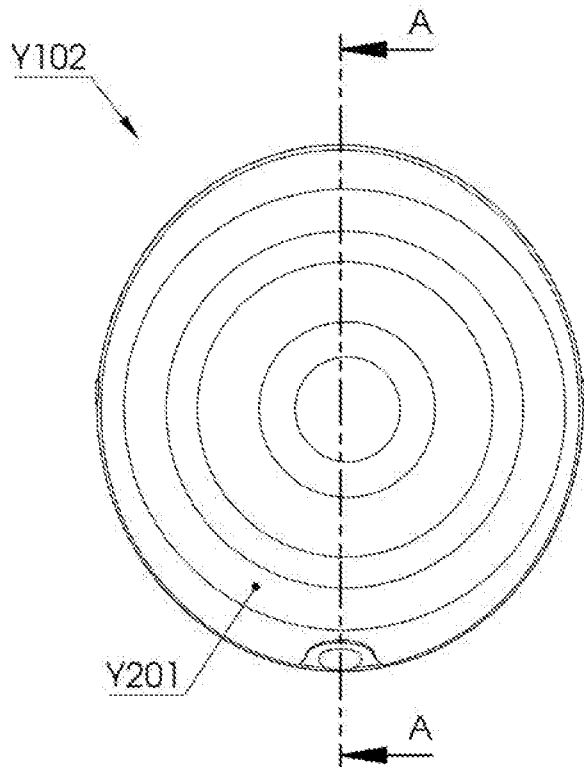


FIG. Y2c

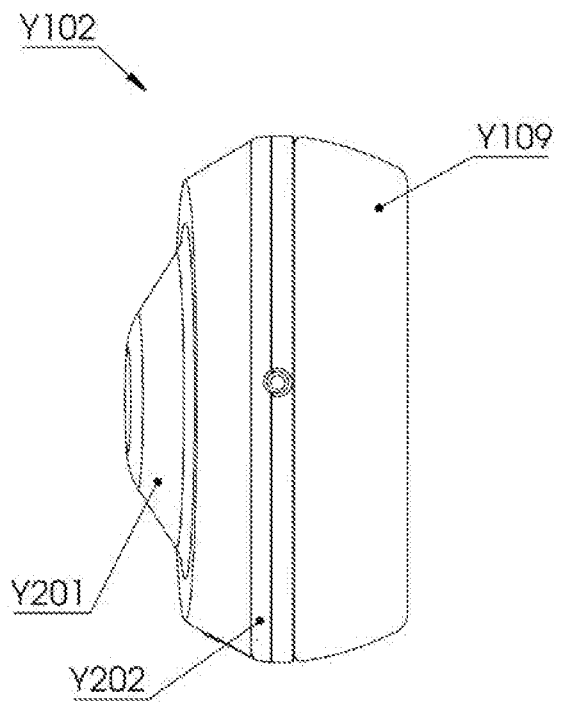


FIG. Y2d

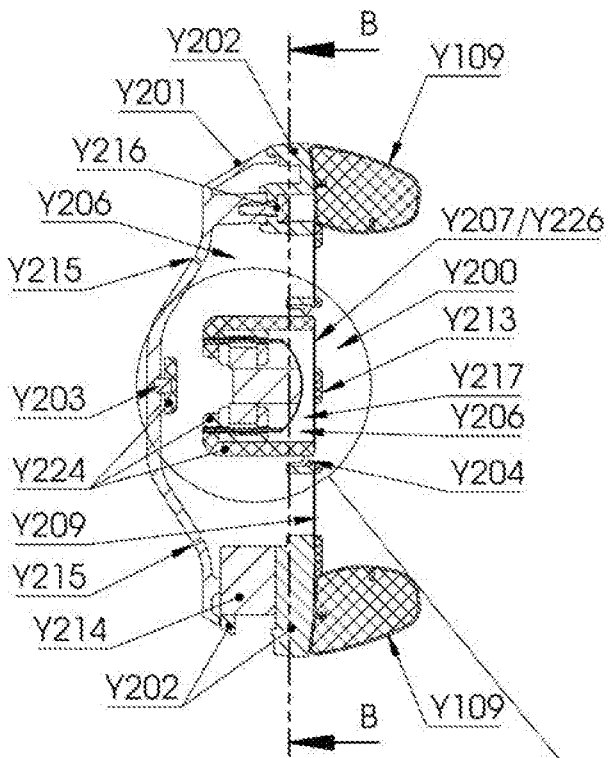


FIG. Y2e

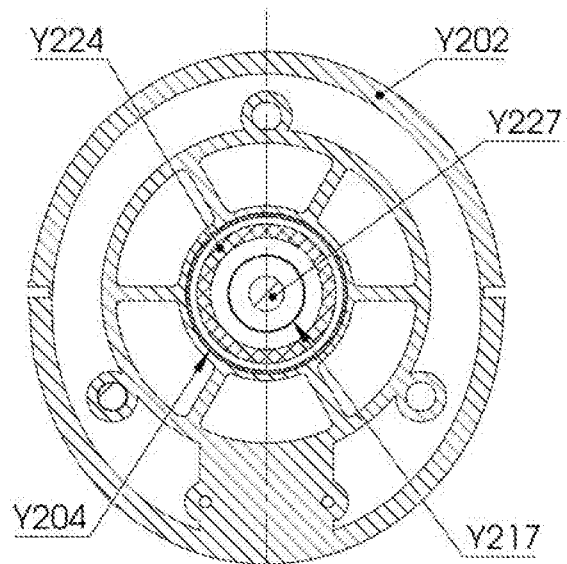


FIG. Y2f

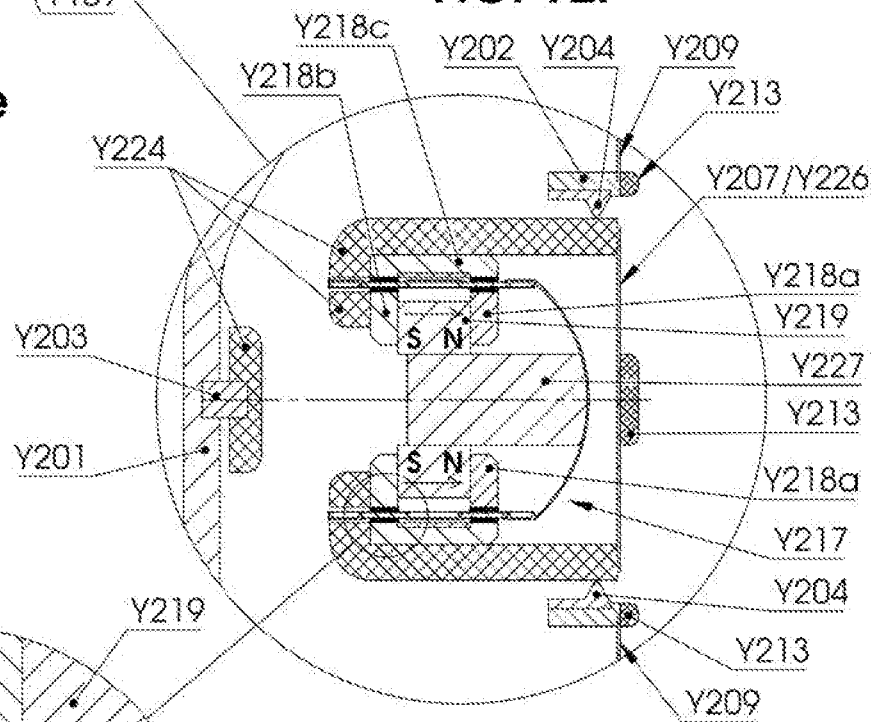


FIG. Y2g

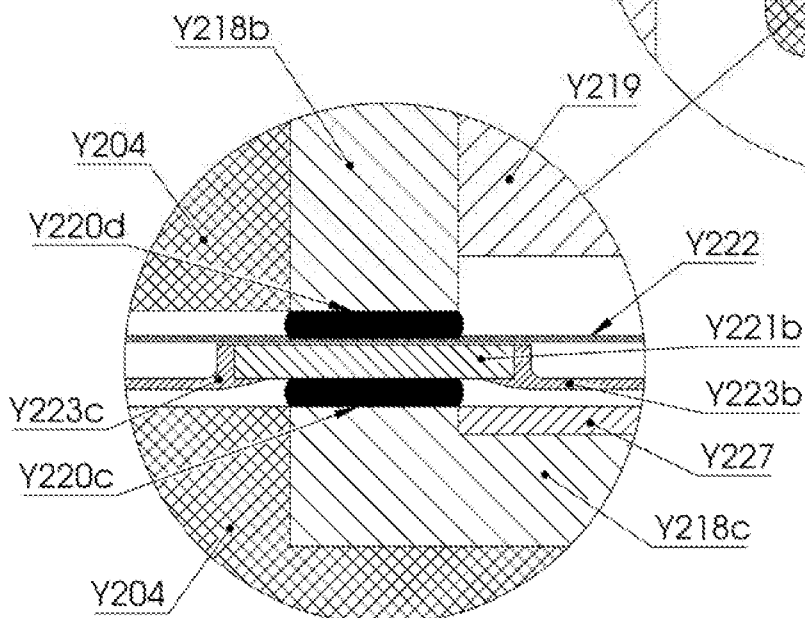


FIG. Y2h

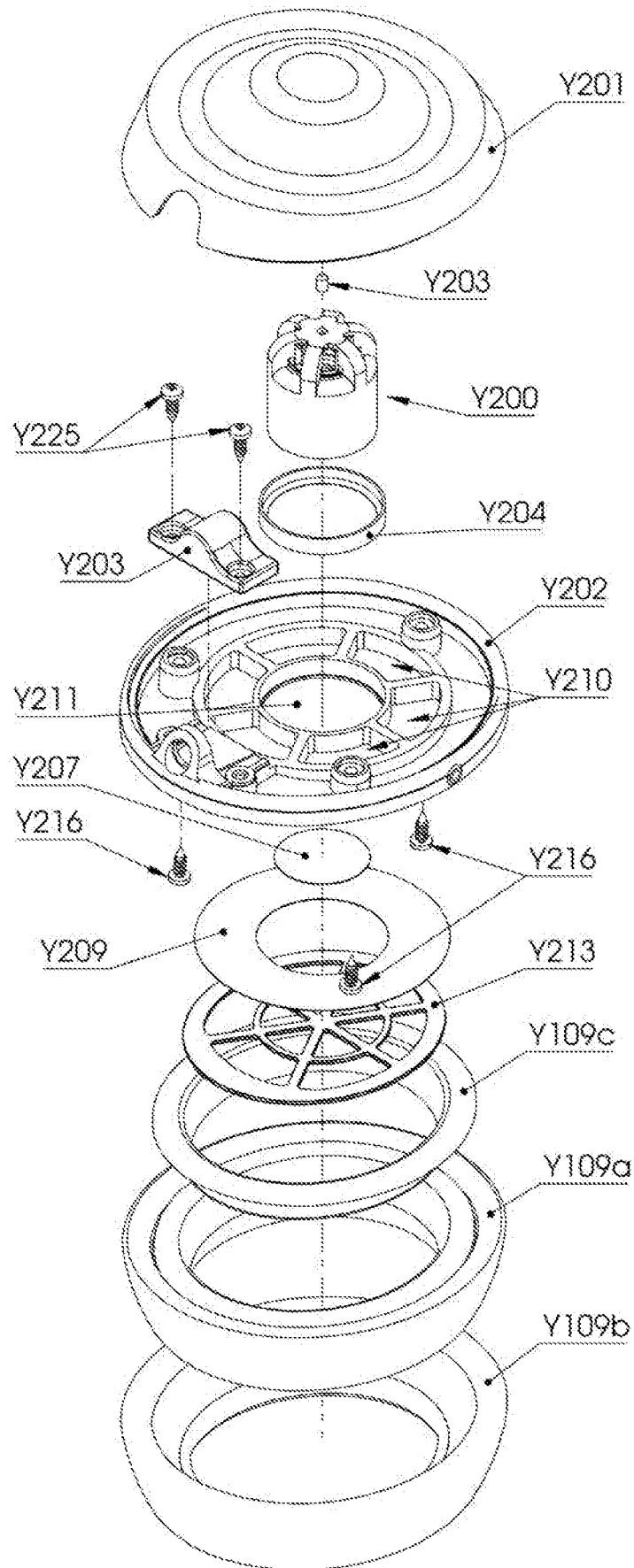


FIG. Y2i

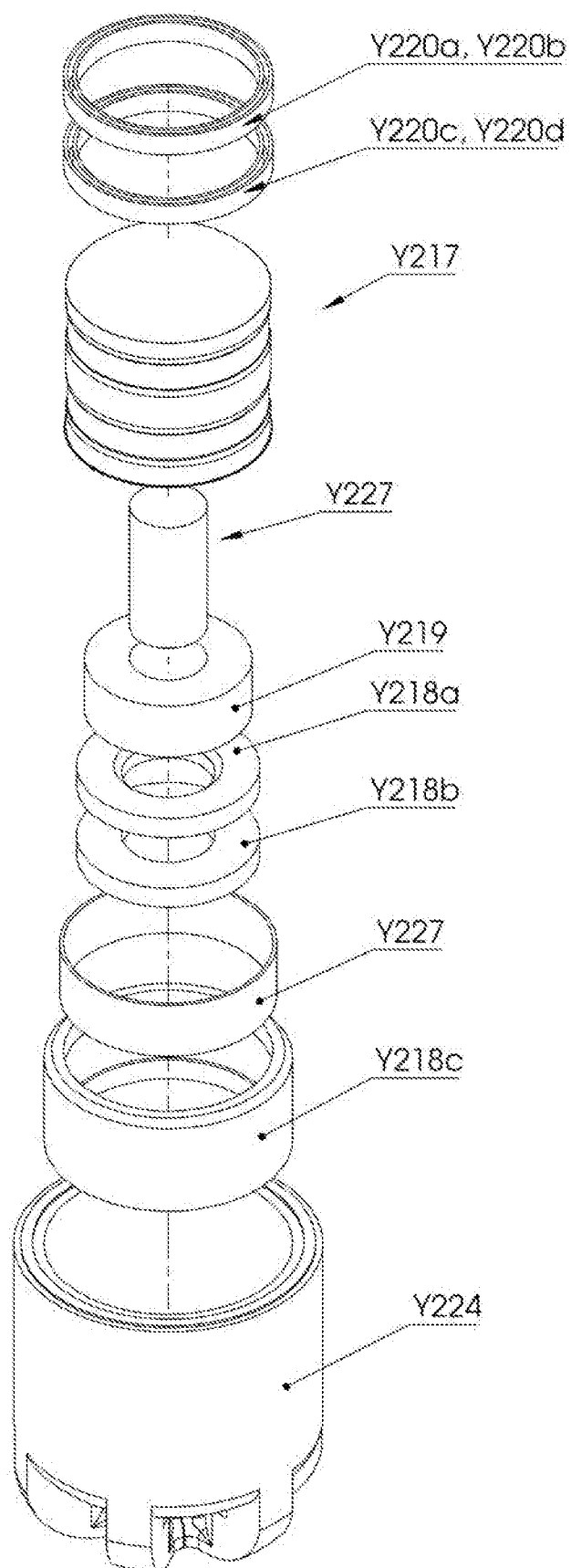


FIG. Y3a



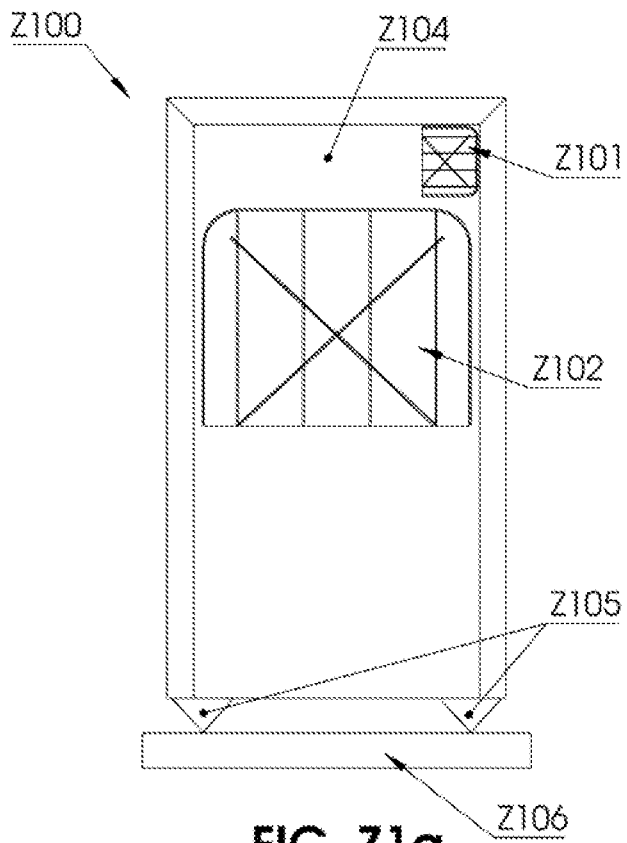


FIG. Z1a

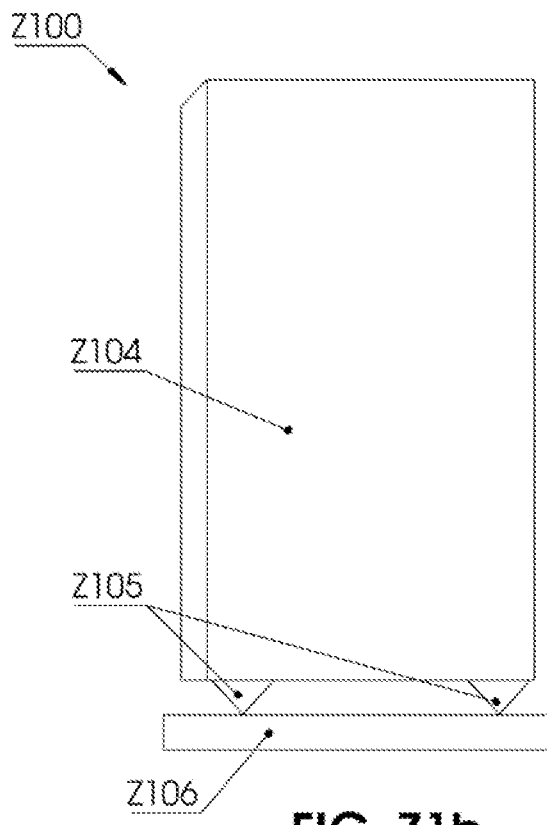


FIG. Z1b

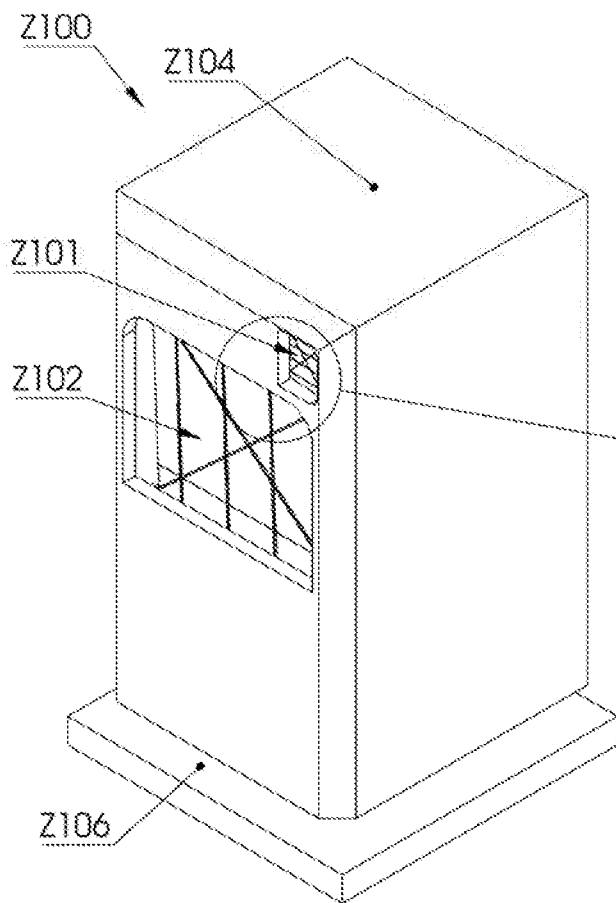


FIG. Z1c

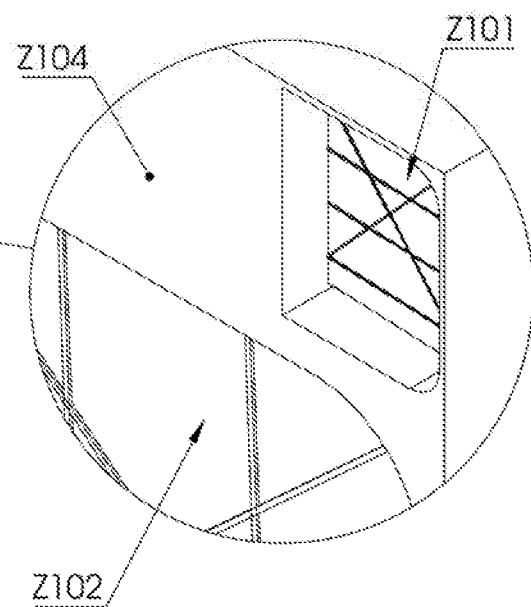


FIG. Z1d