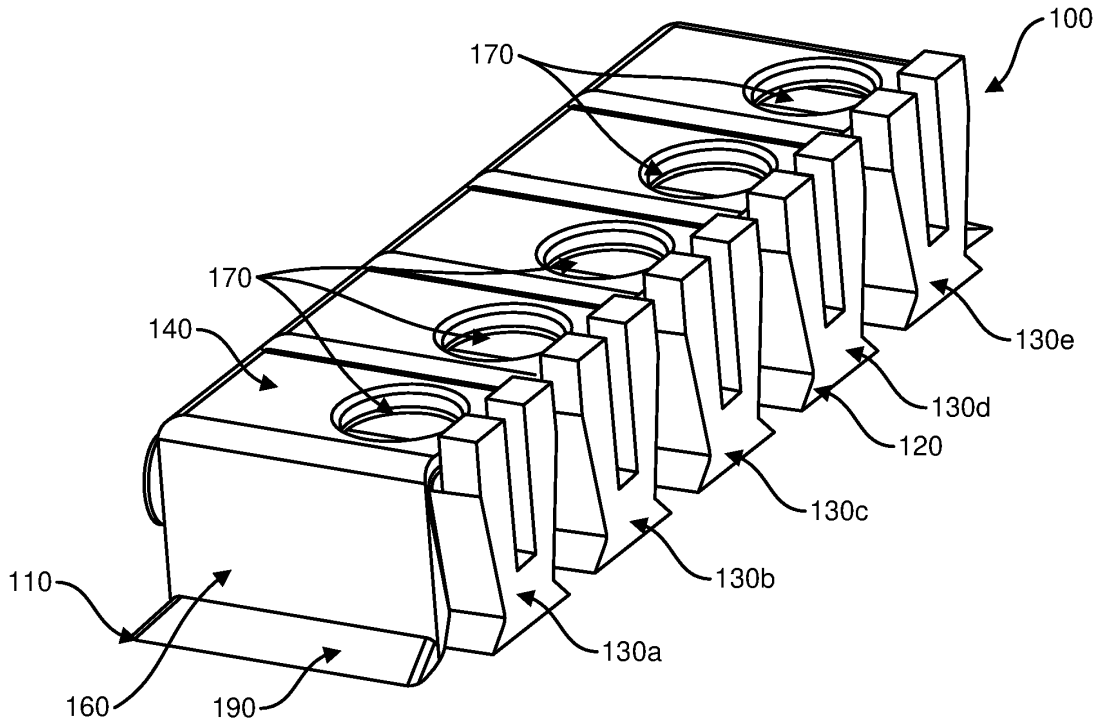


FIG. 1

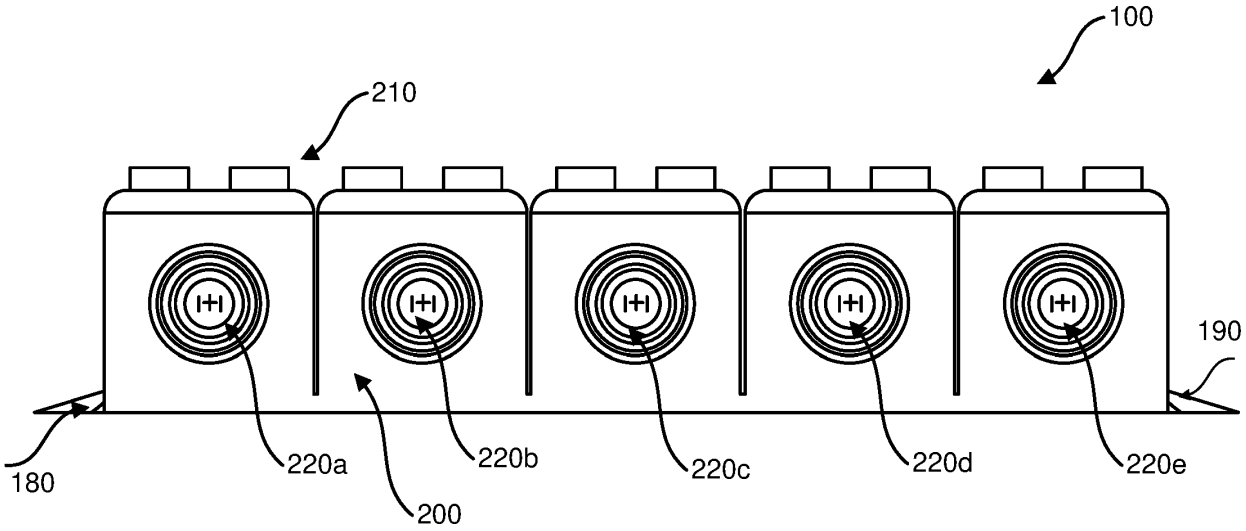

100
210
190
180
220a
220b
220c
220d
220e
200

FIG. 2

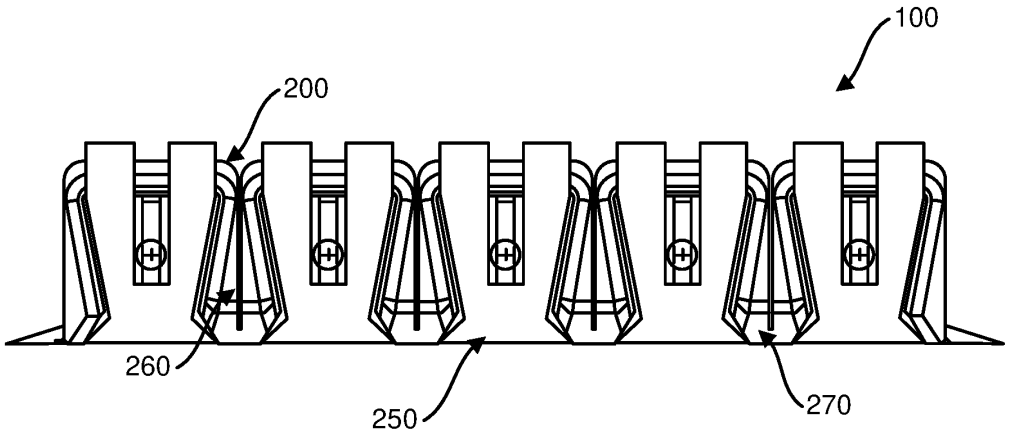

100
200
260
250
270

FIG. 3

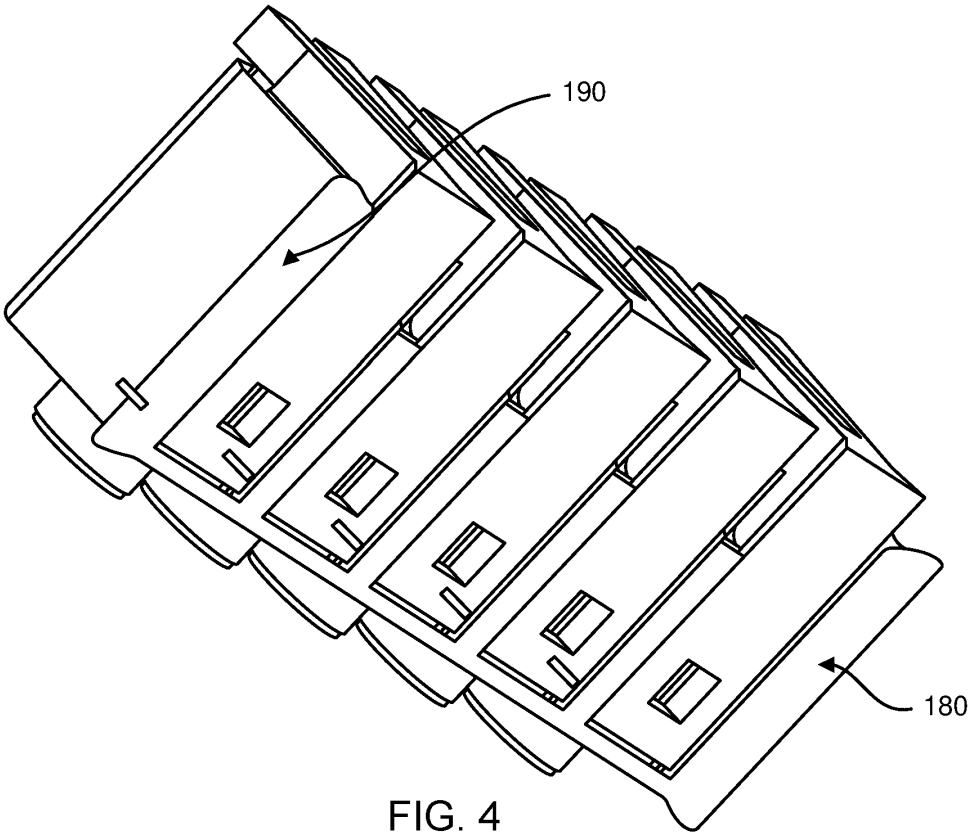


FIG. 4

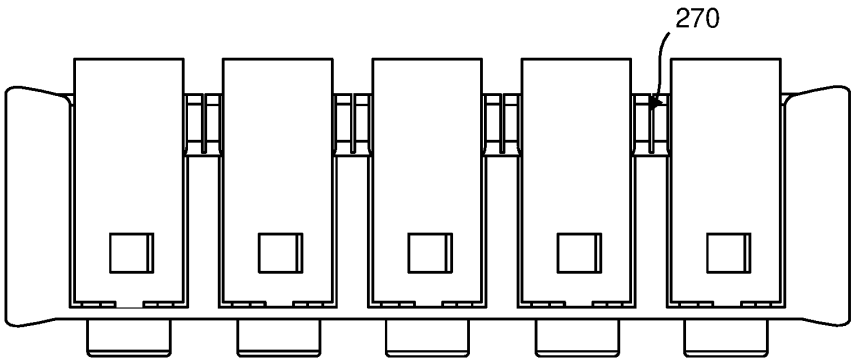


FIG. 5

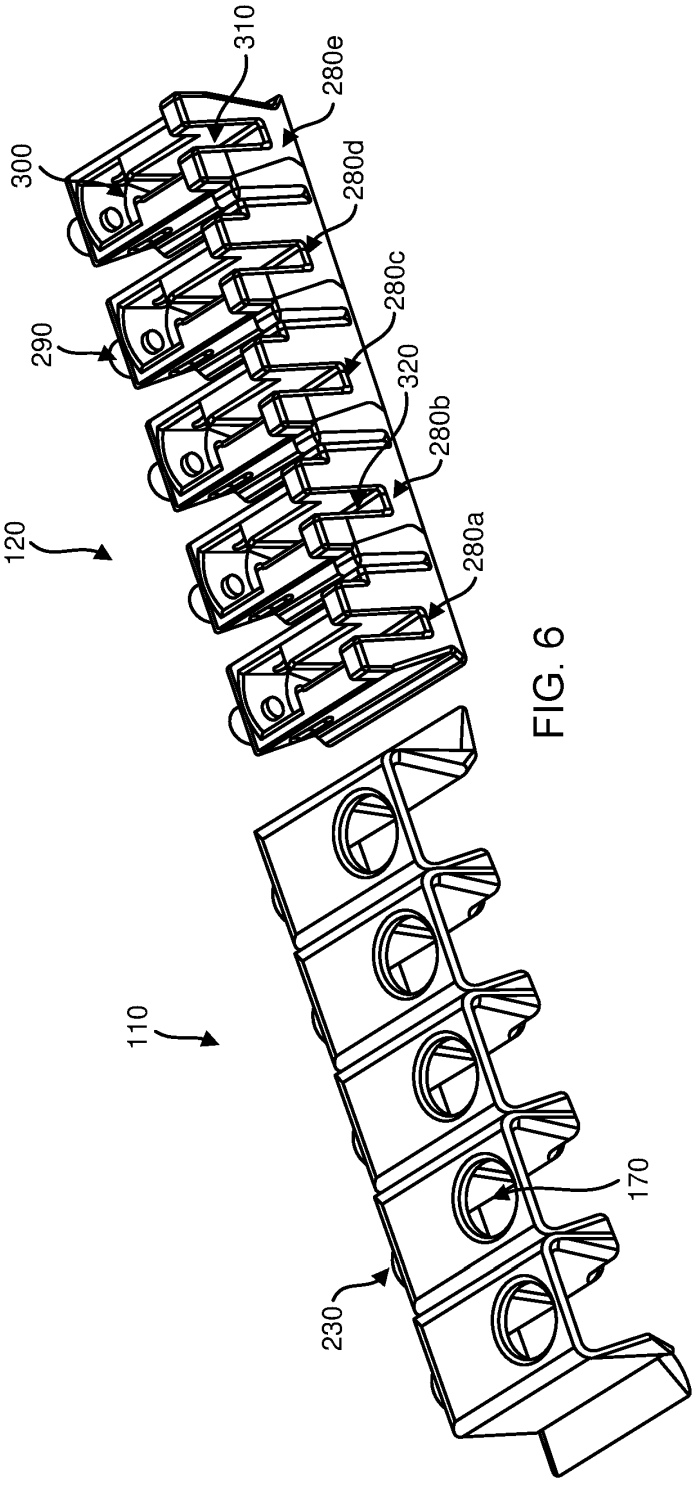

310
280e
300
280d
280c
290
320
280b
120
280a
110
170
230

FIG. 6

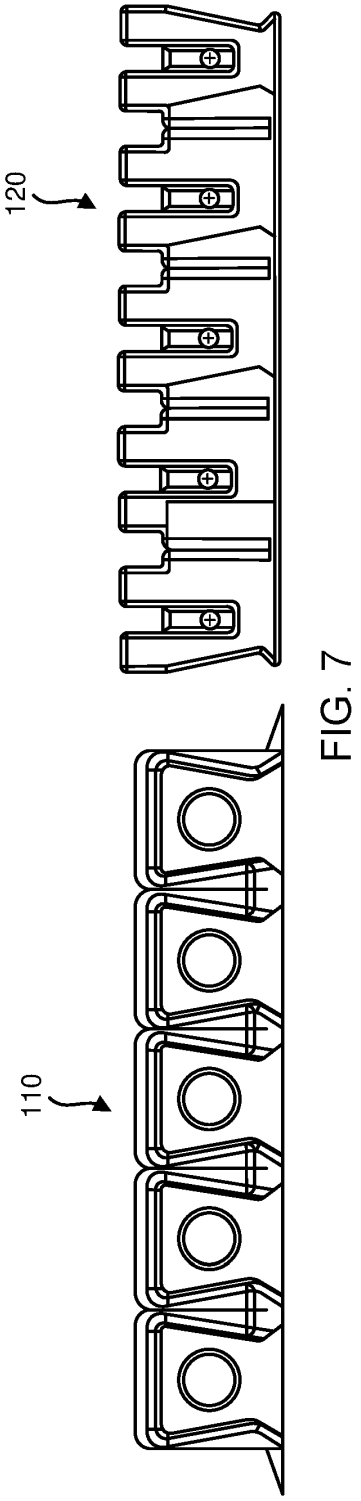

120
110

FIG. 7

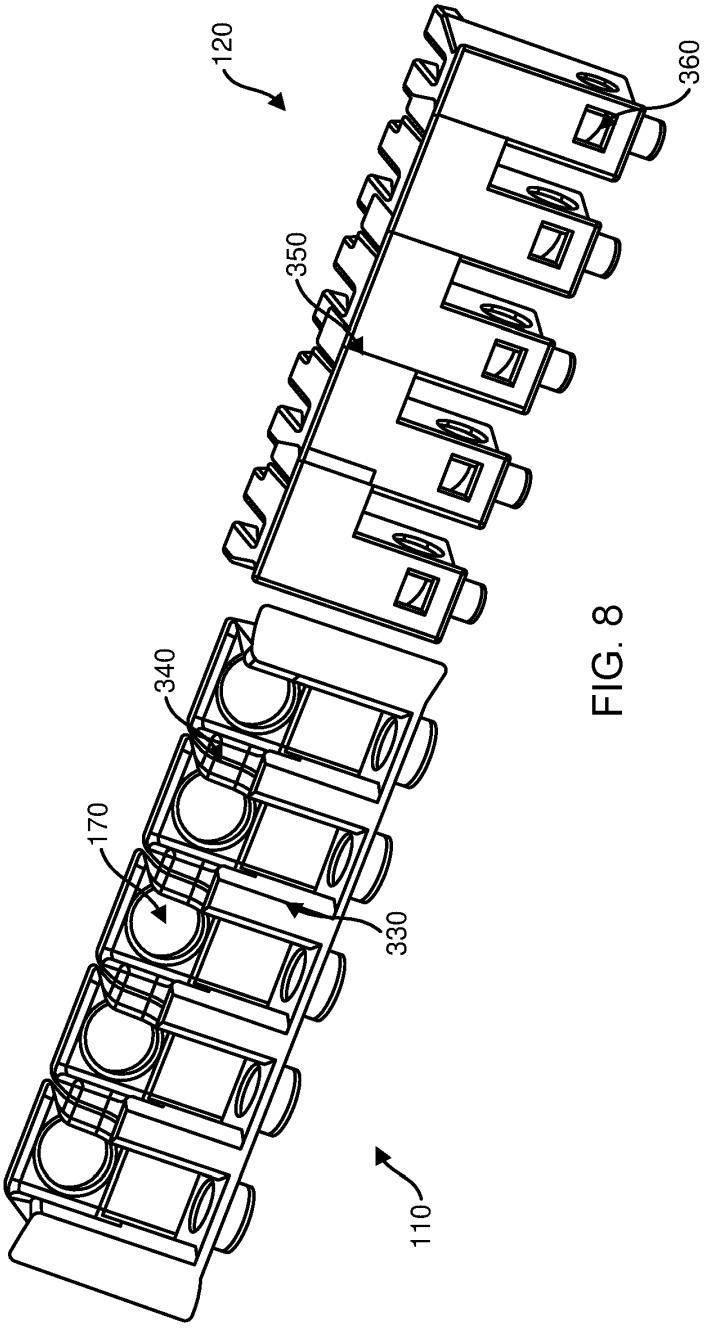


FIG. 8

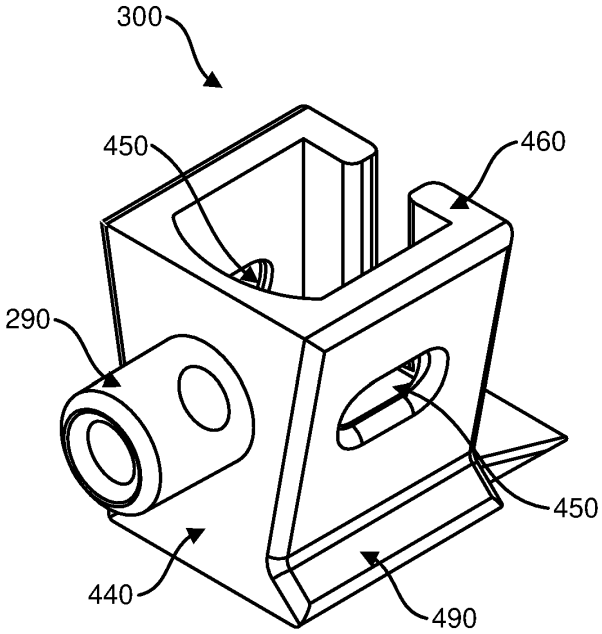


FIG. 9a

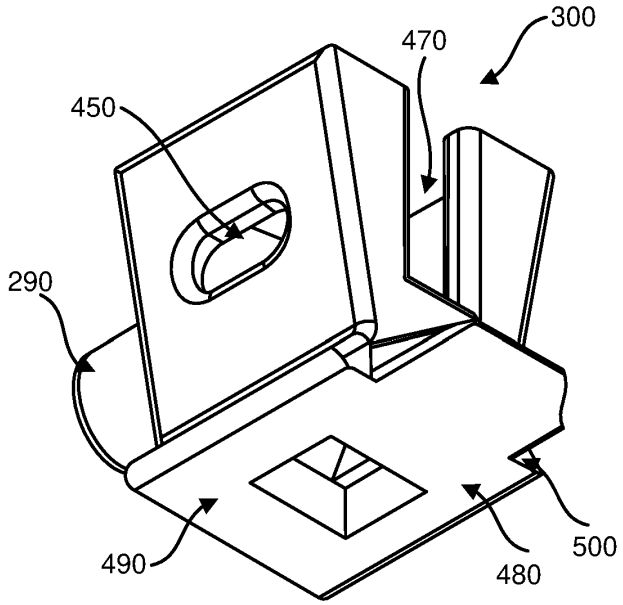


FIG. 9b

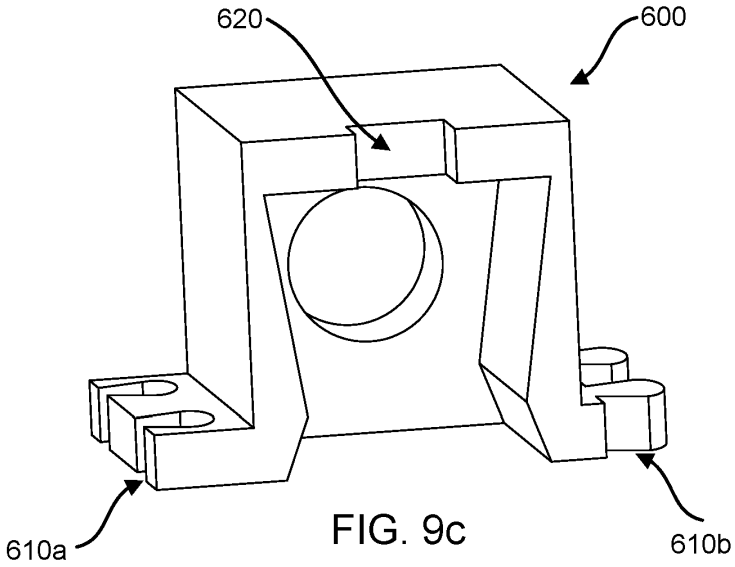


FIG. 9c

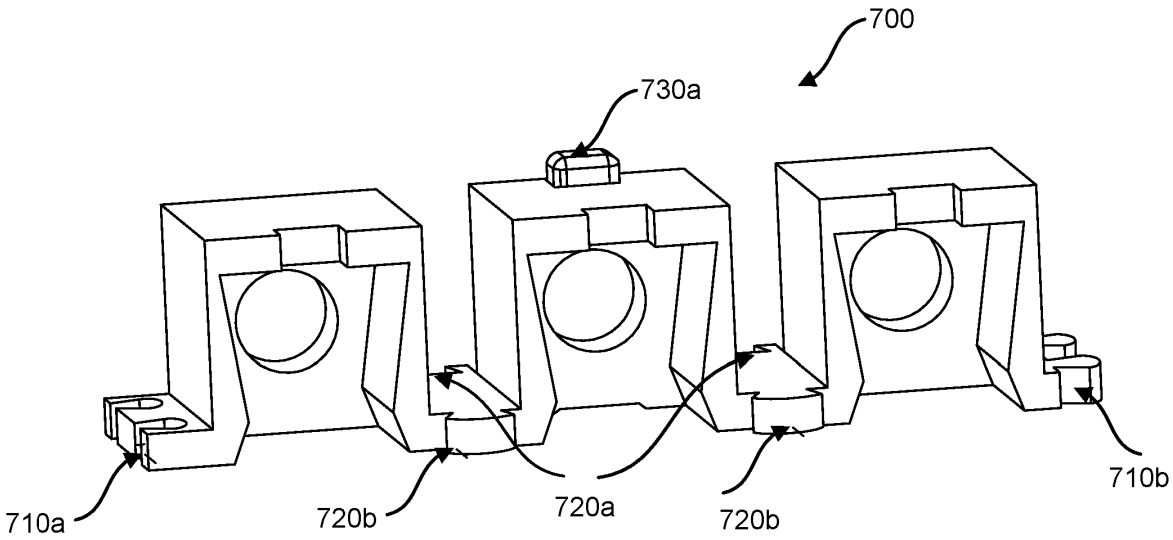


FIG. 9d

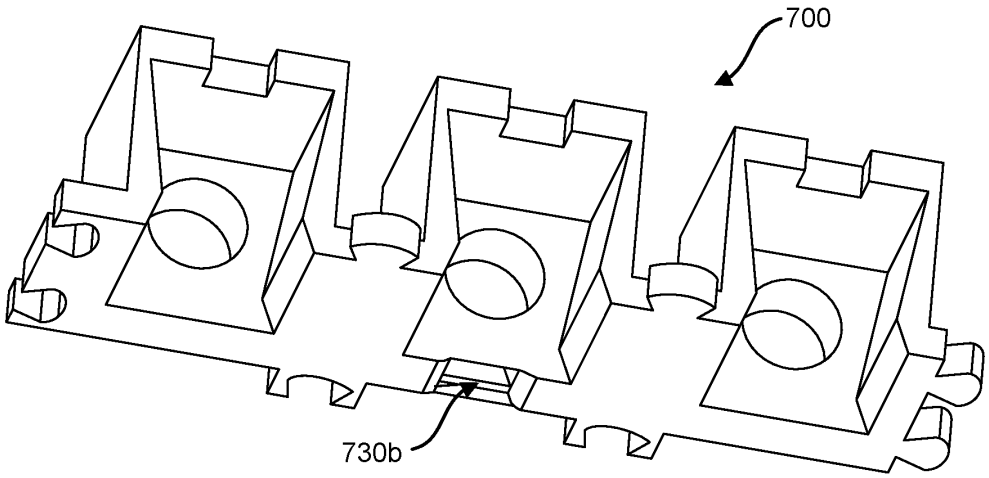


FIG. 9e

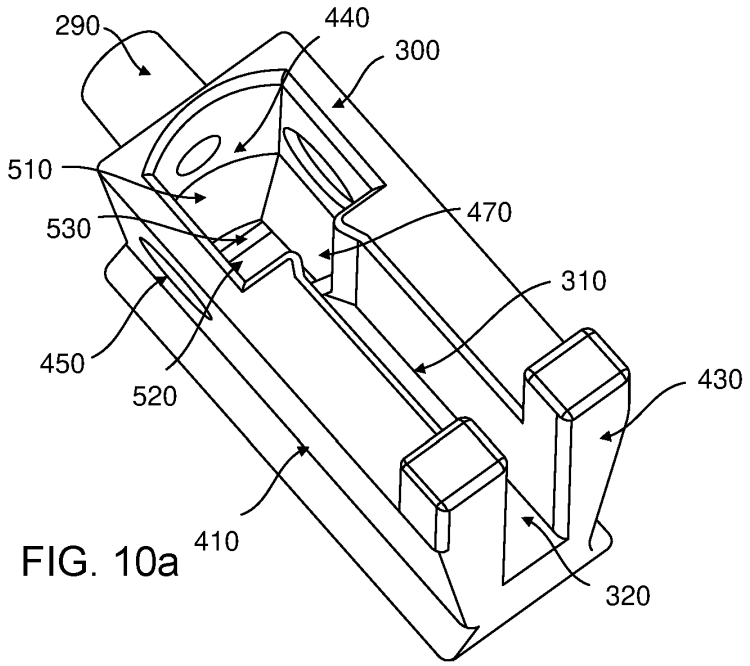


FIG. 10a

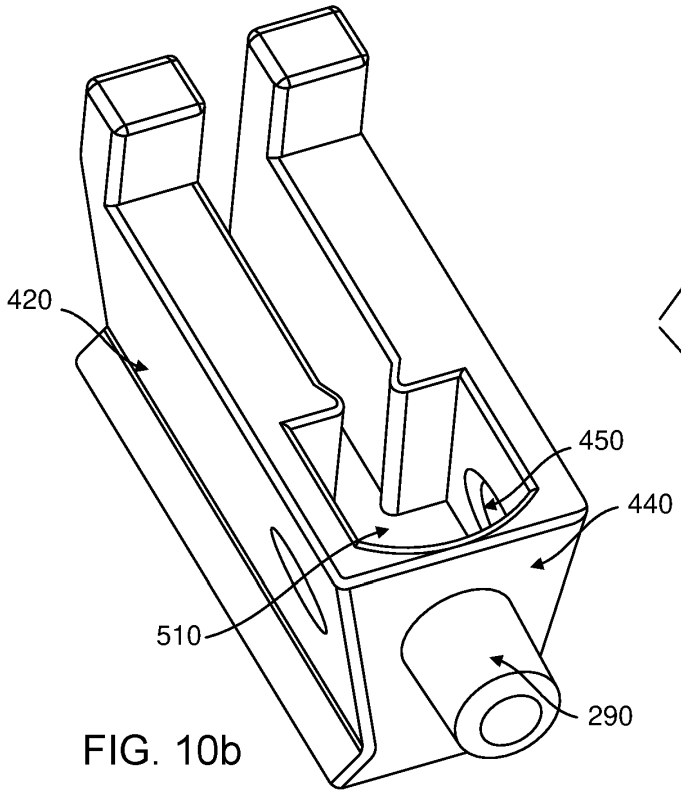


FIG. 10b

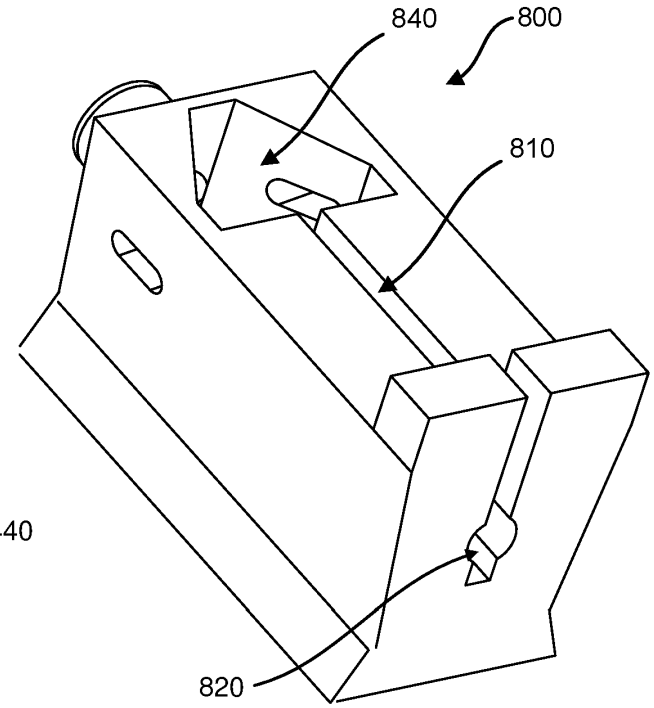


FIG. 10c

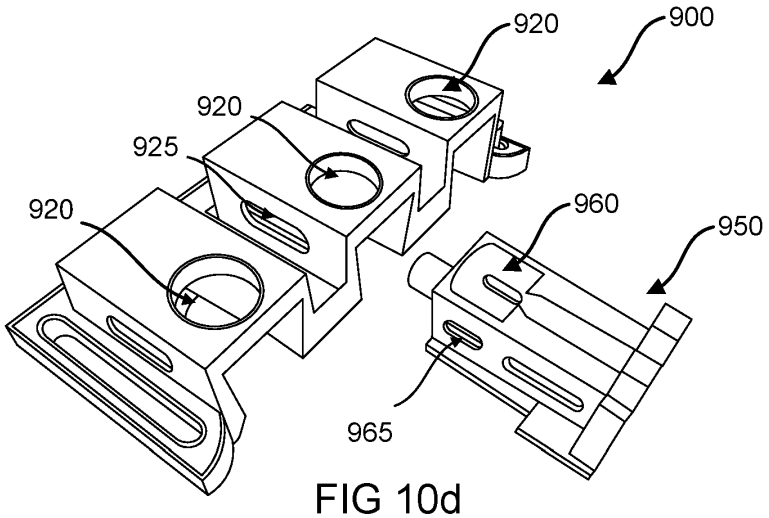


FIG 10d

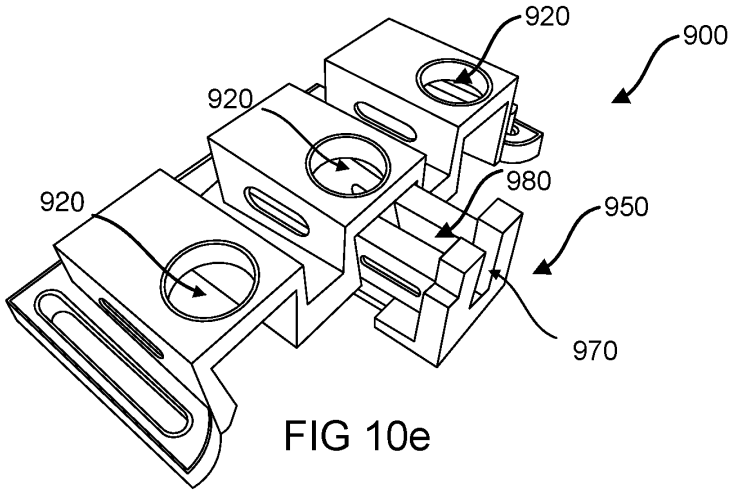


FIG 10e

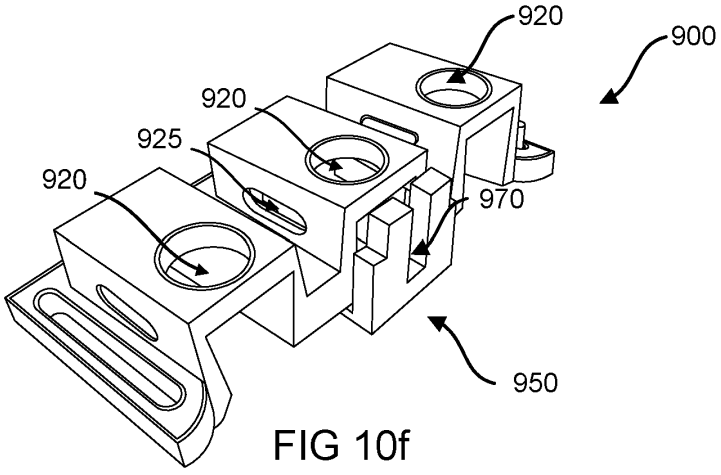


FIG 10f

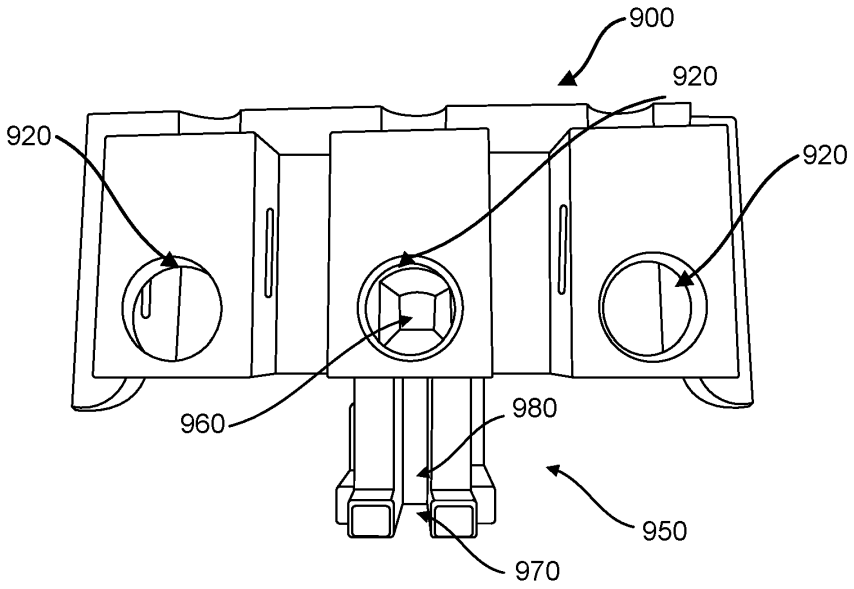


FIG 10g

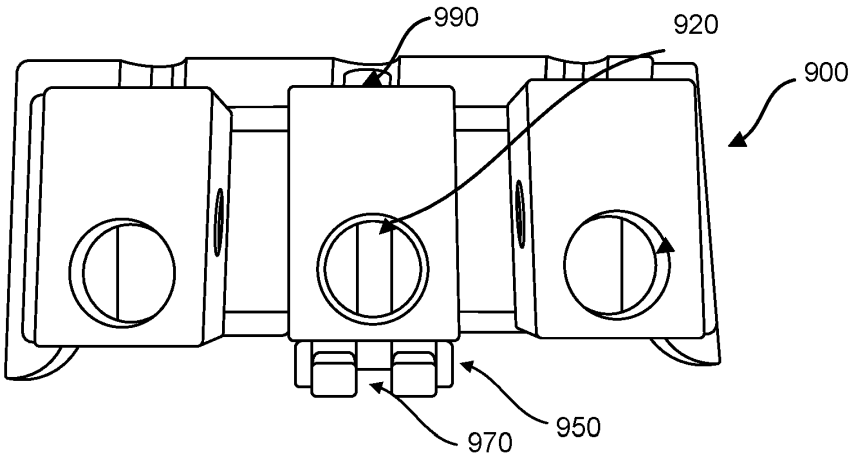


FIG 10h

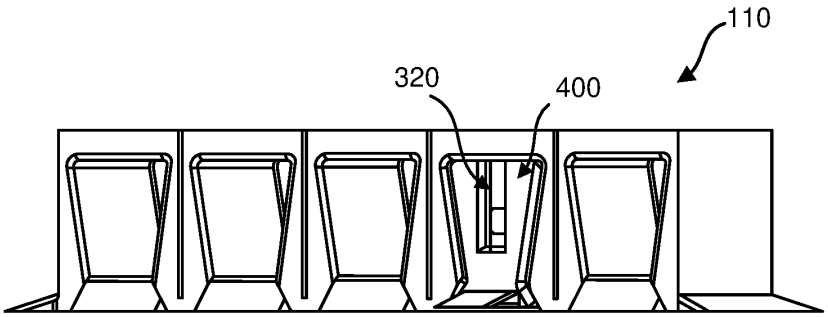


FIG. 11a

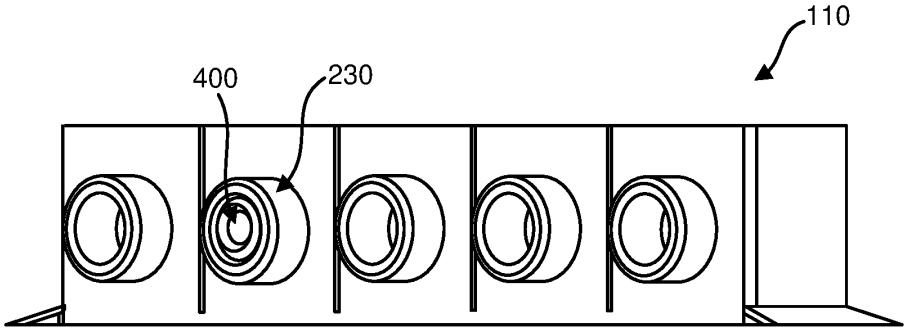


FIG. 11b

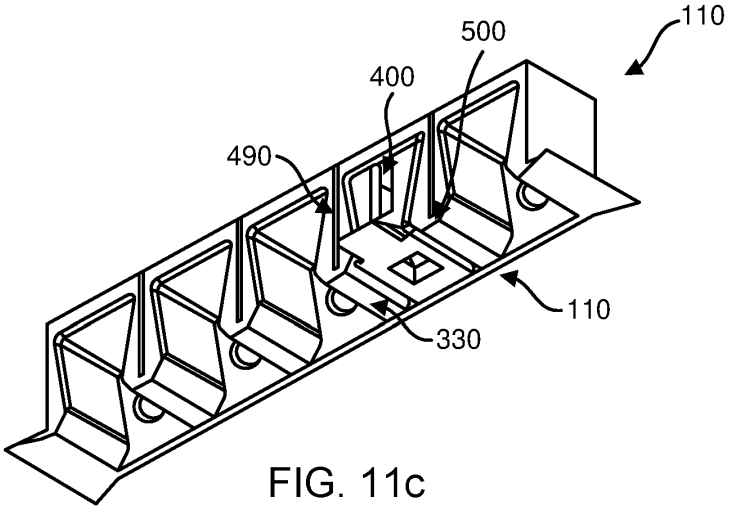


FIG. 11c

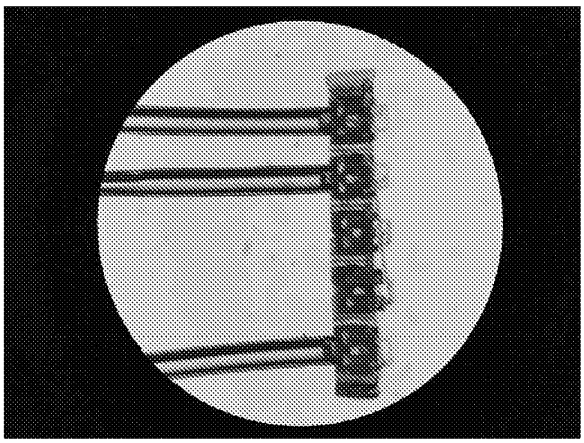


FIG. 12

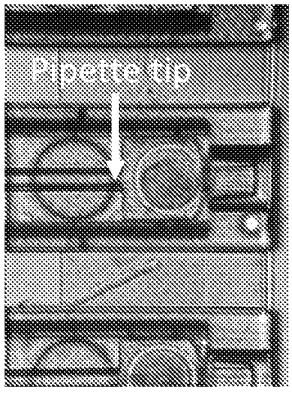


FIG. 13a

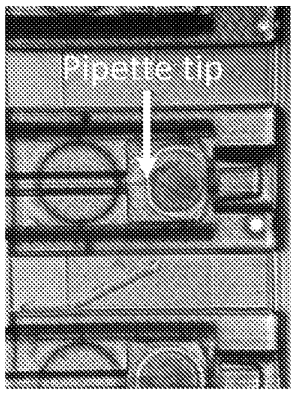


FIG. 13b

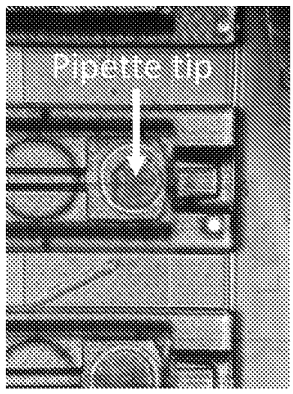


FIG. 13c

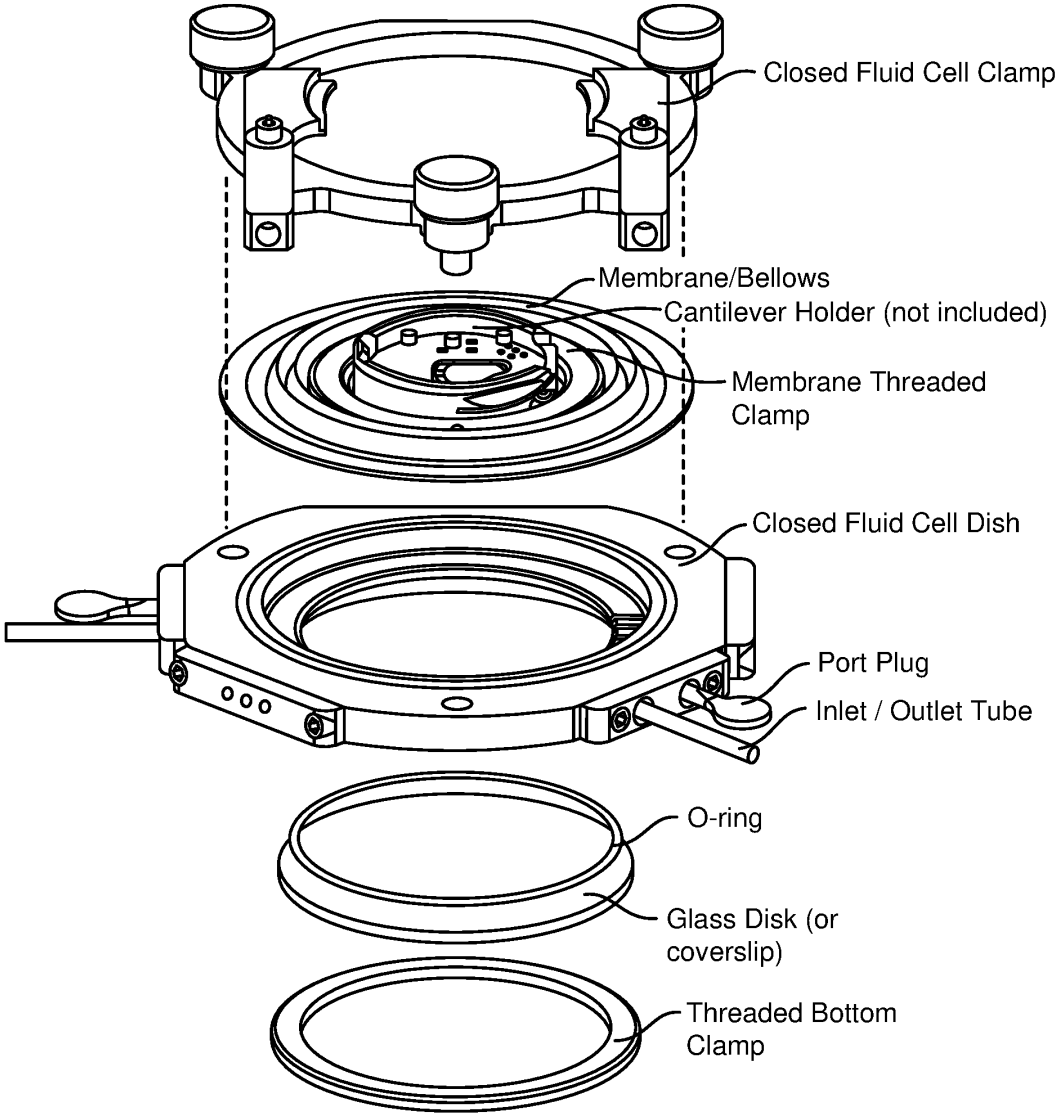

Closed Fluid Cell Clamp
Membrane/Bellows
Cantilever Holder (not included)
Membrane Threaded Clamp
Closed Fluid Cell Dish
Port Plug
Inlet / Outlet Tube
O-ring
Glass Disk (or coverslip)
Threaded Bottom Clamp

FIG. 14

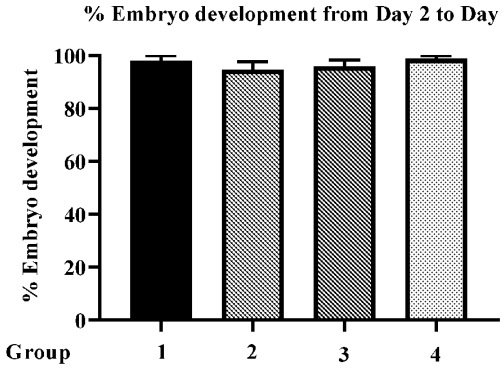


FIG. 15a

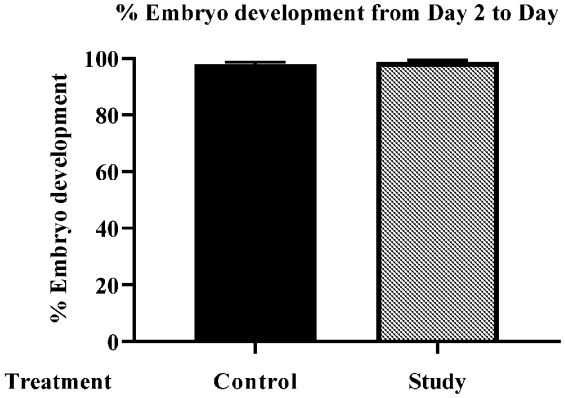


FIG. 15b

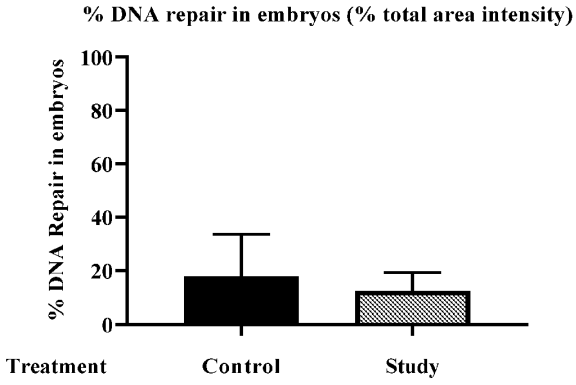


FIG. 15c

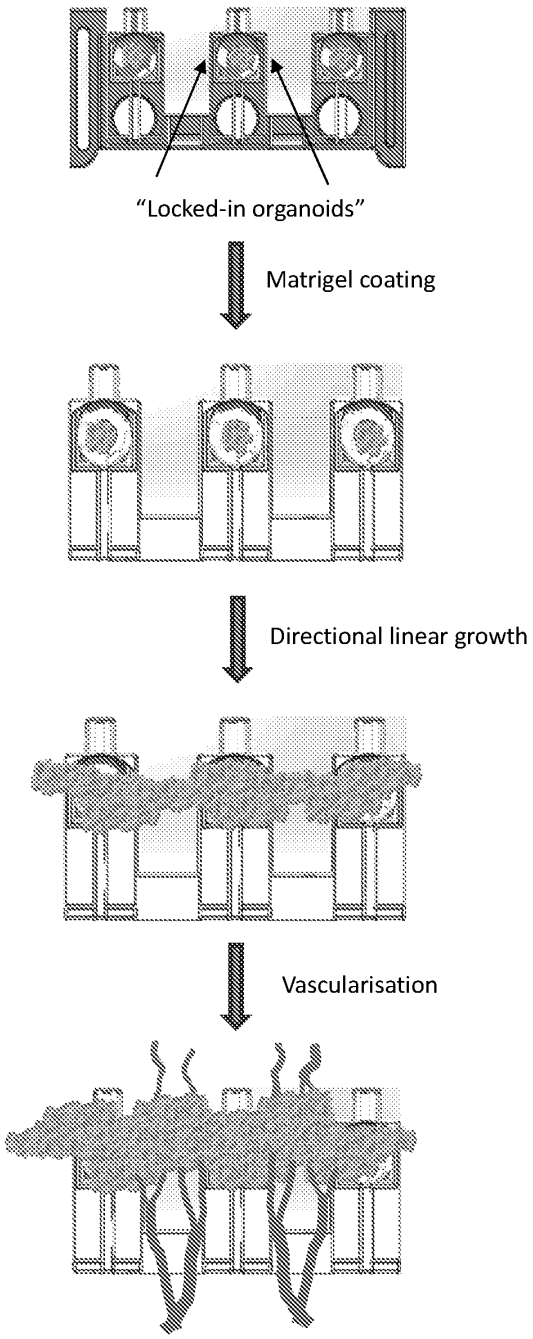

"Locked-in organoids"
Matrigel coating
Directional linear growth
Vascularisation

FIG. 16

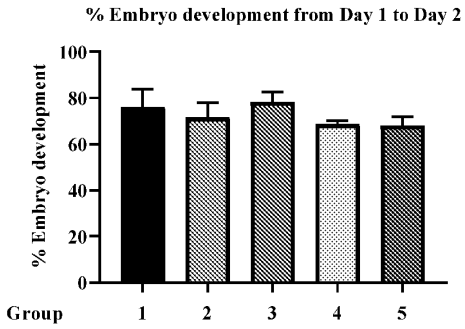


FIG. 17a

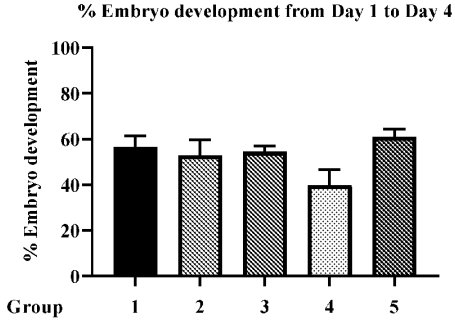


FIG. 17b

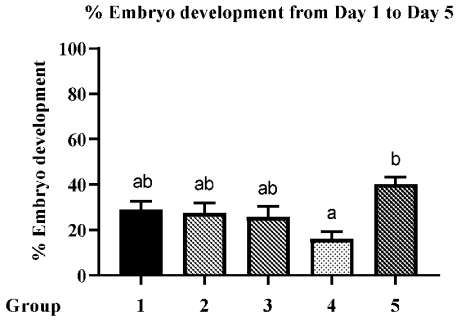


FIG. 17c

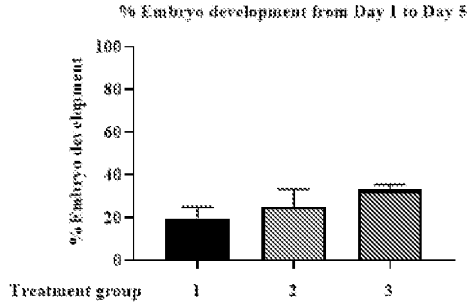


FIG. 17d

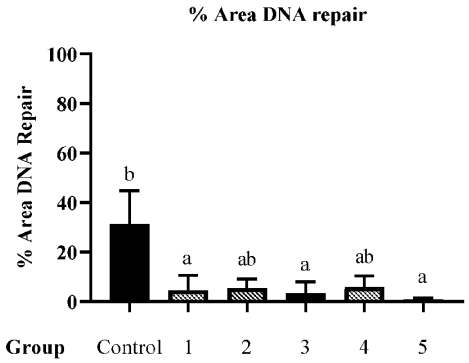


FIG. 17e

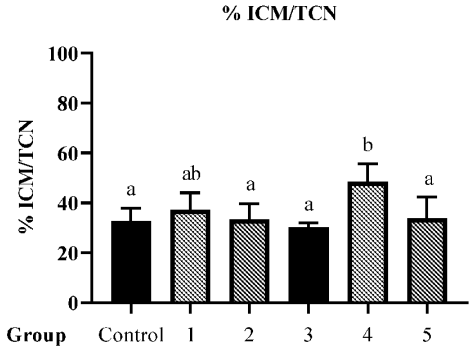


FIG. 17f

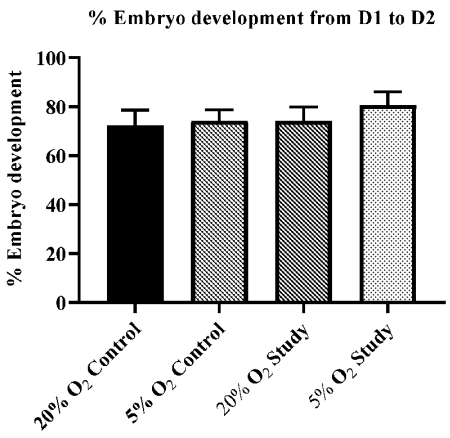


FIG. 18a

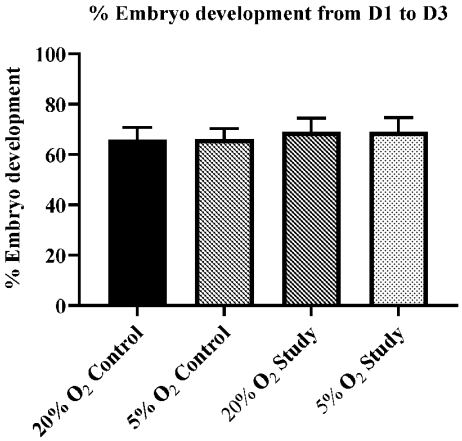


FIG. 18b

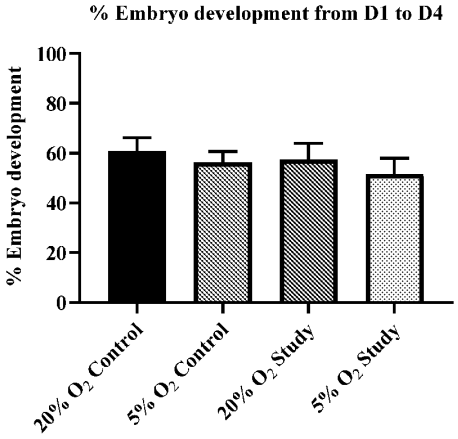


FIG. 18c

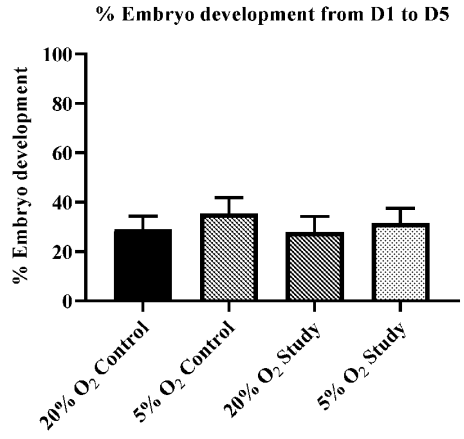


FIG. 18d

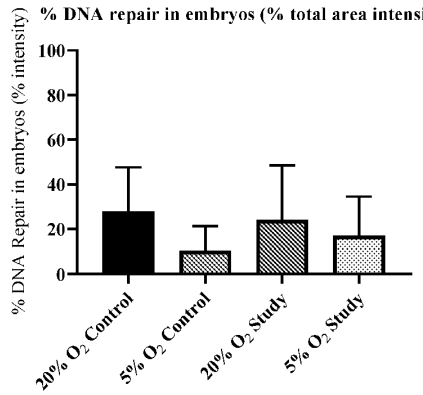


FIG. 18e