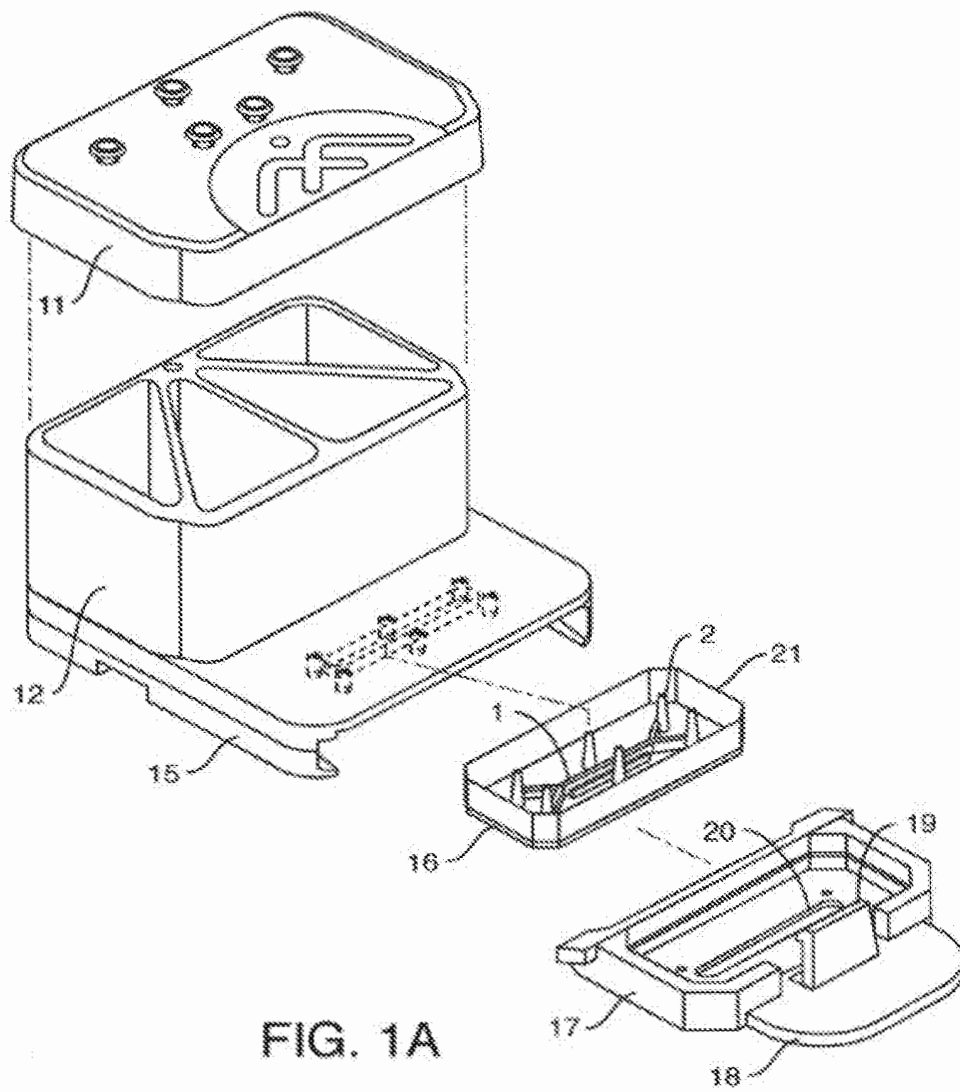




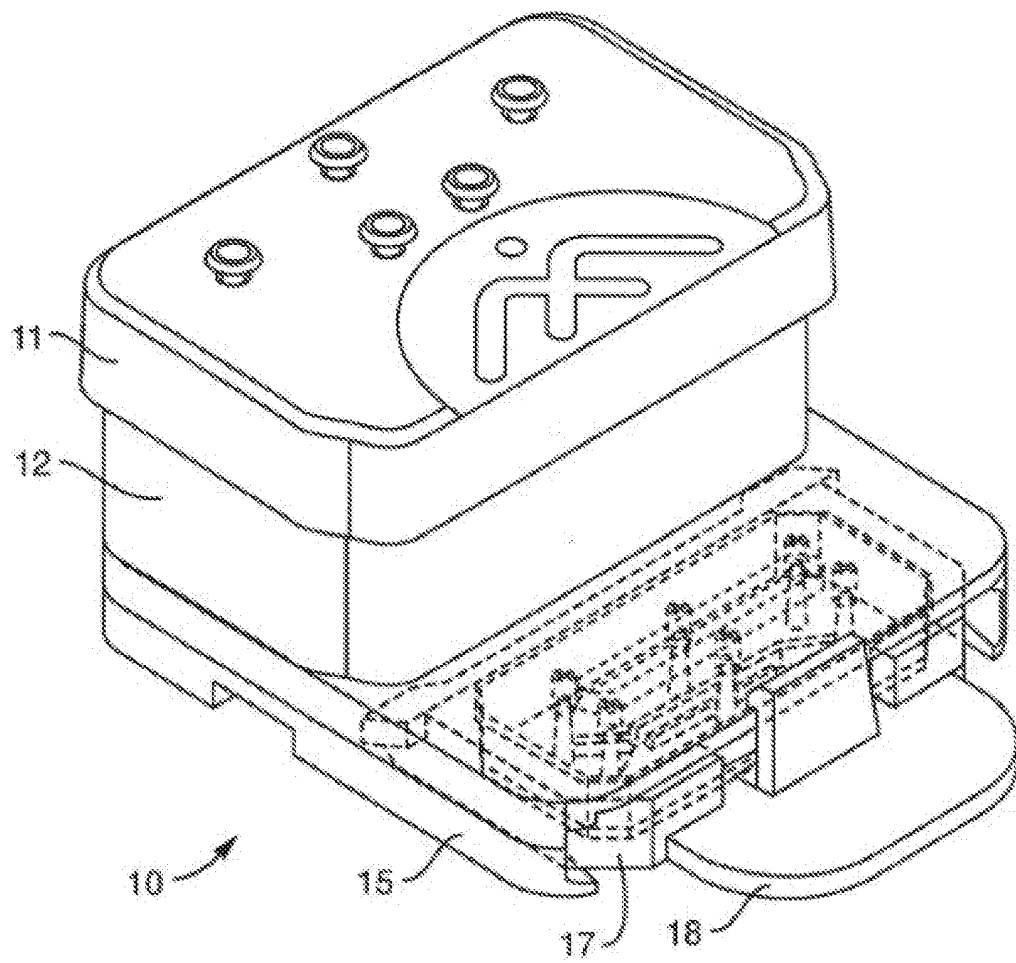


FIG. 1B

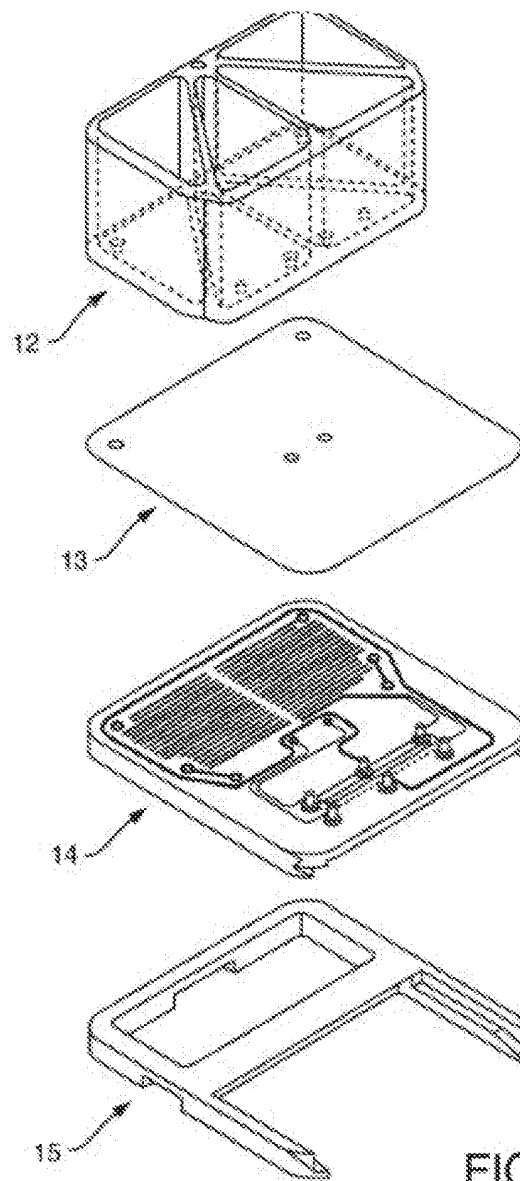


FIG. 1C

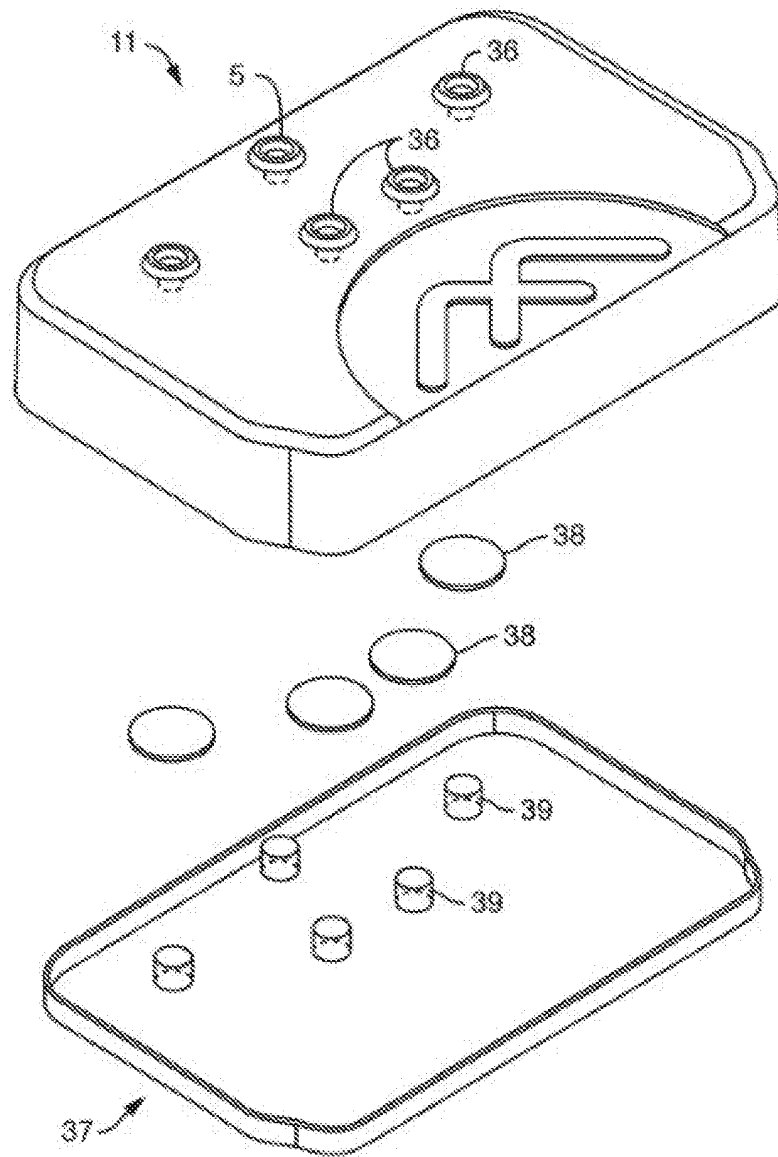


FIG. 2A

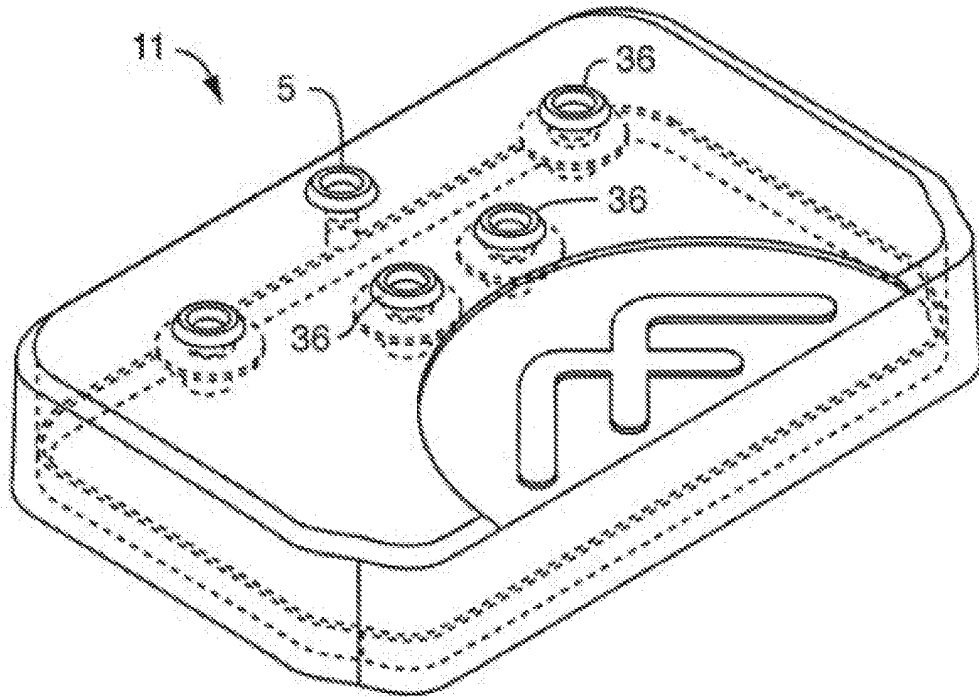


FIG. 2B

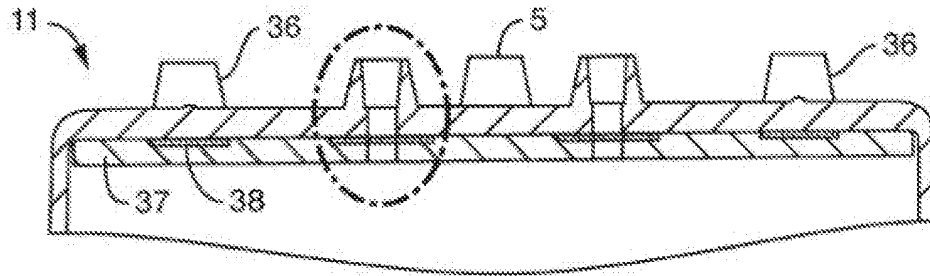


FIG. 2C-1

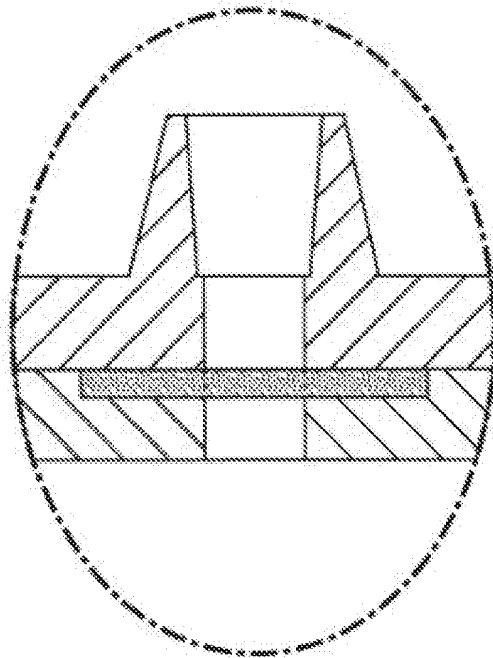


FIG. 2C-2

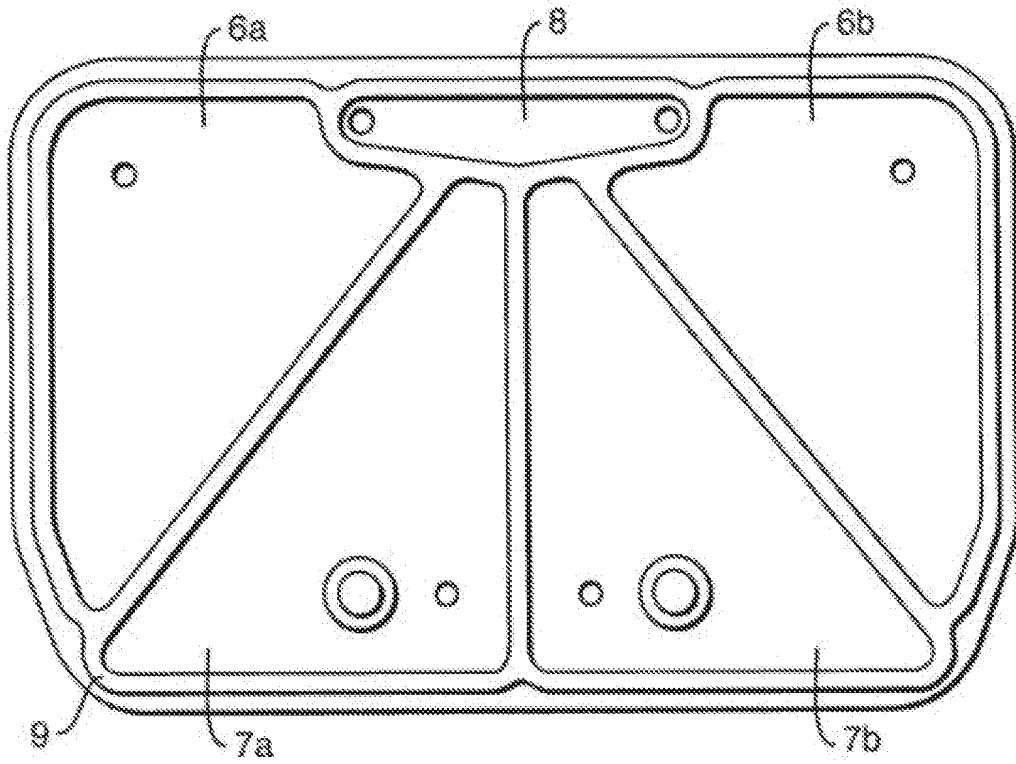


FIG. 2D

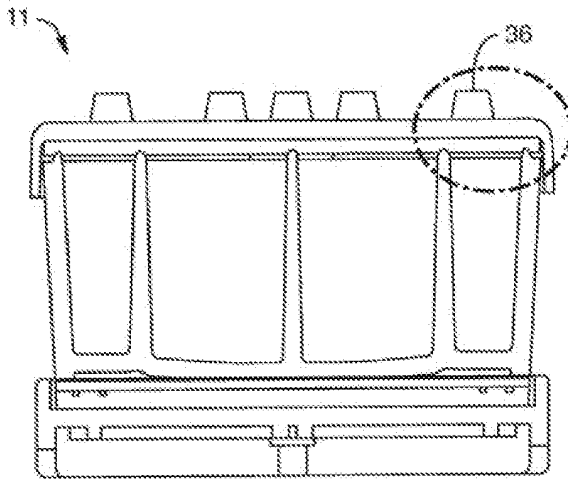


FIG. 2E-1

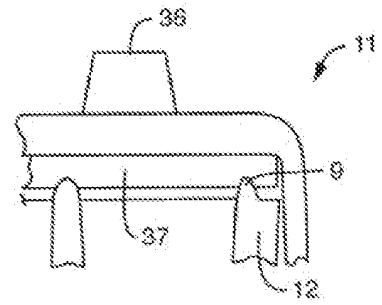


FIG. 2E-2

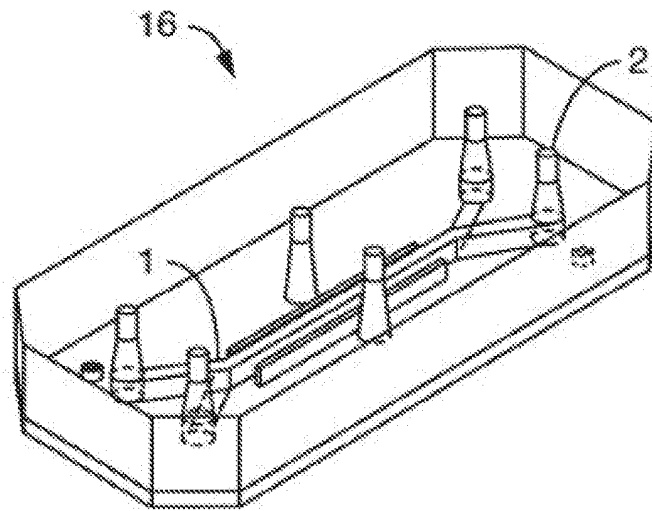


FIG. 3A

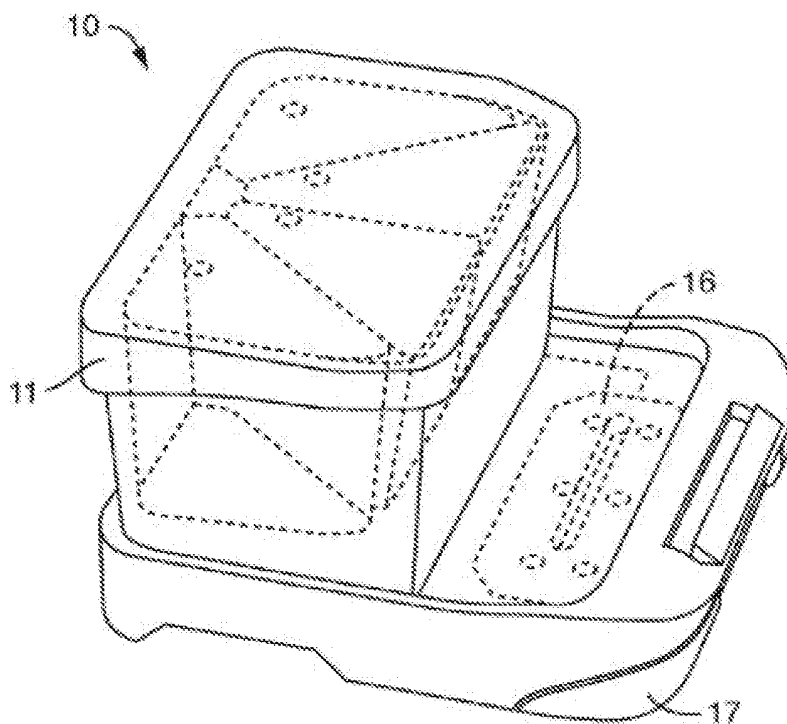


FIG. 3B

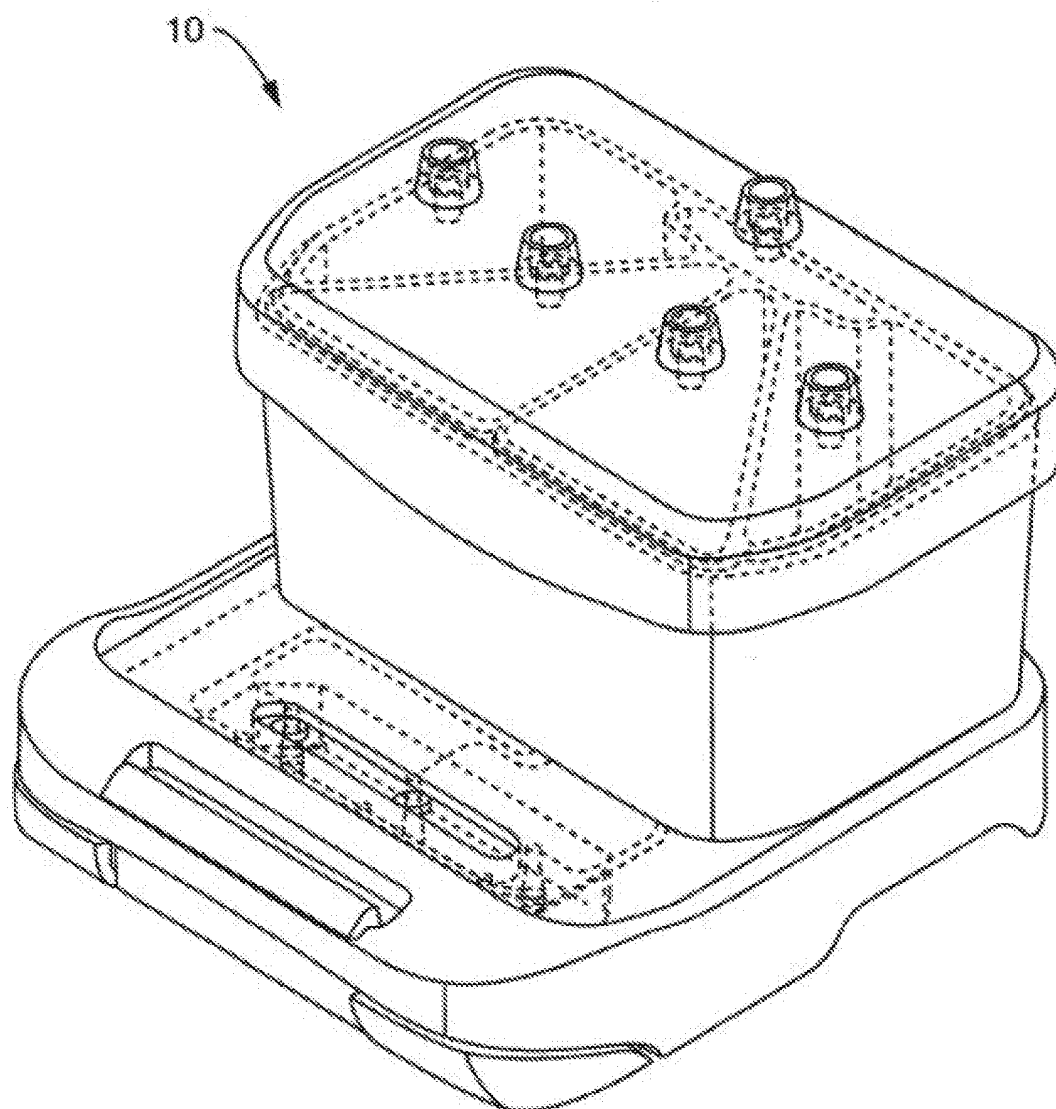


FIG. 3C

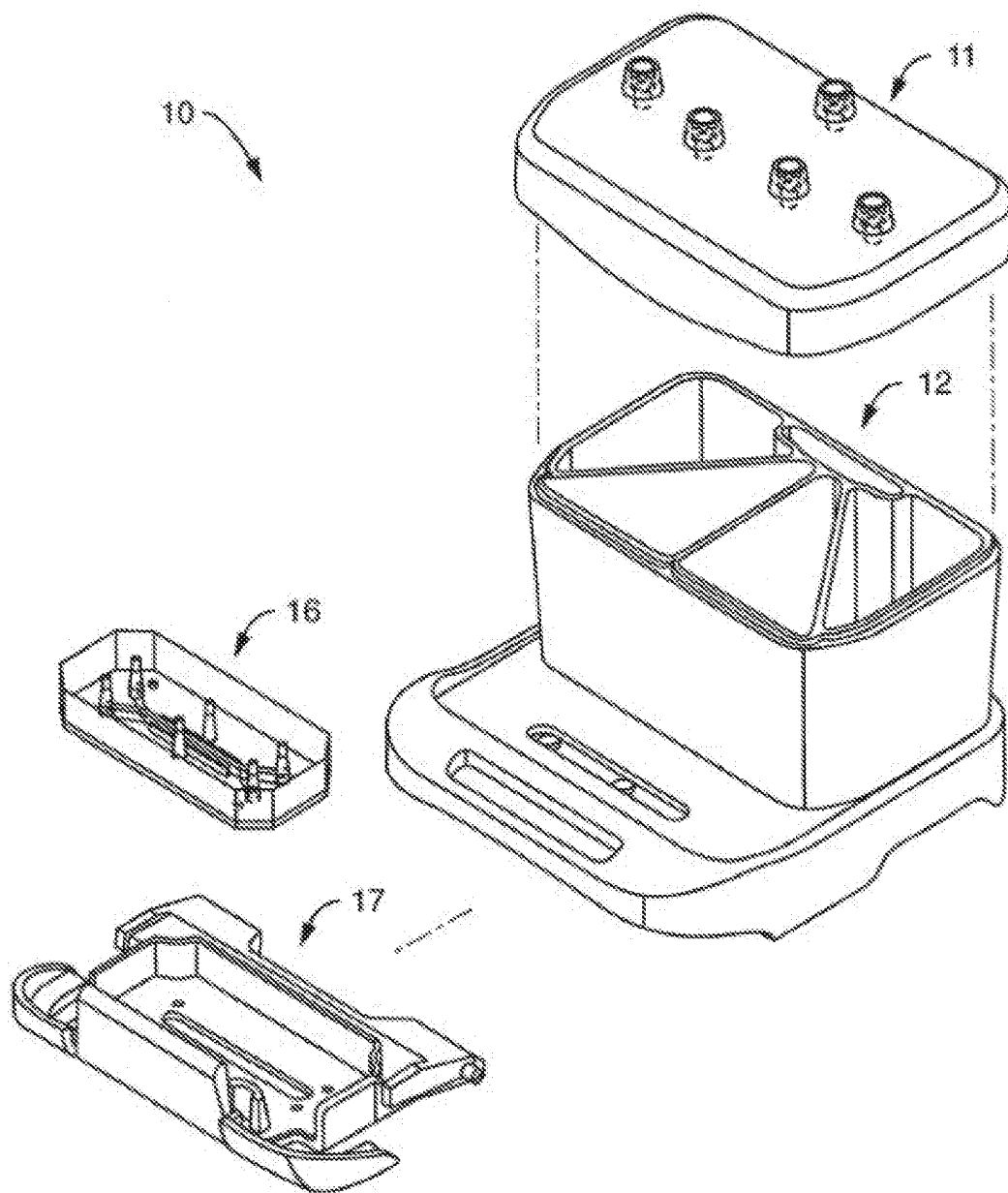


FIG. 3D

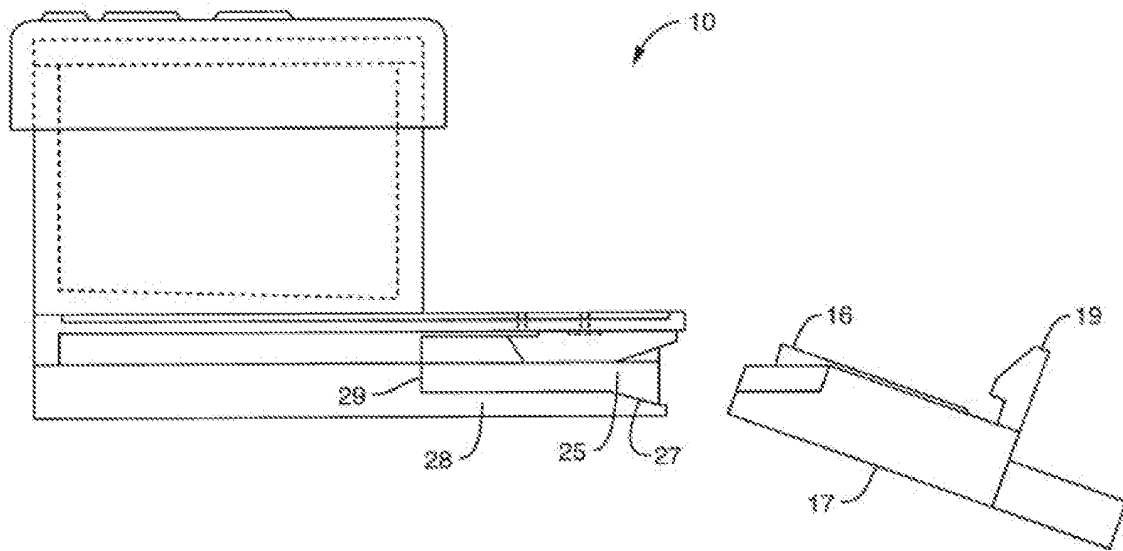


FIG. 4A

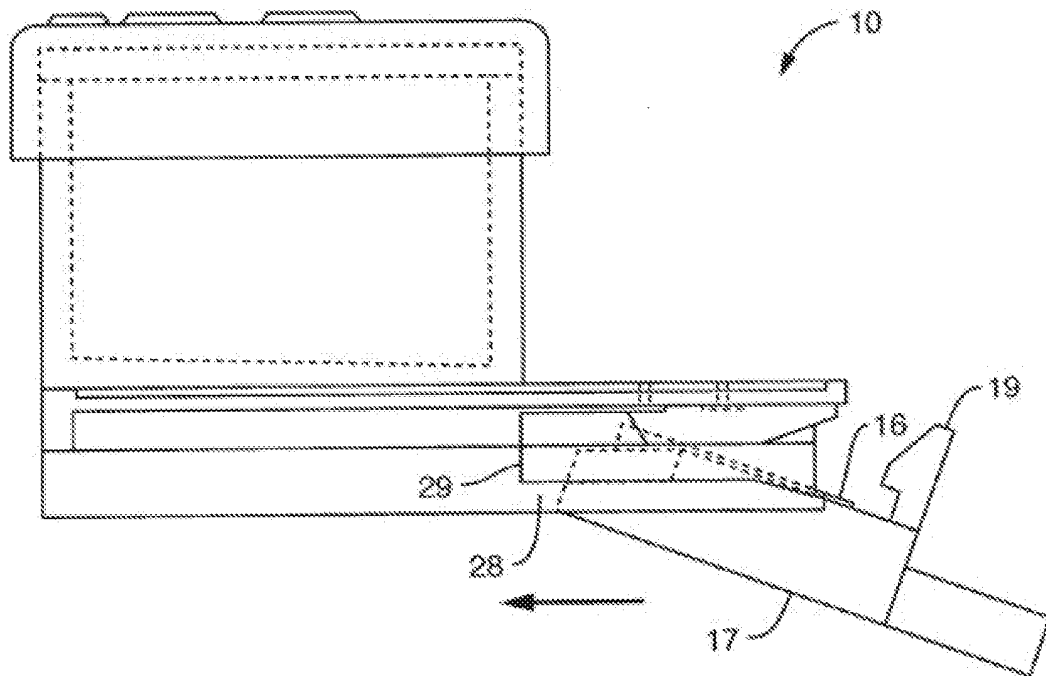


FIG. 4B

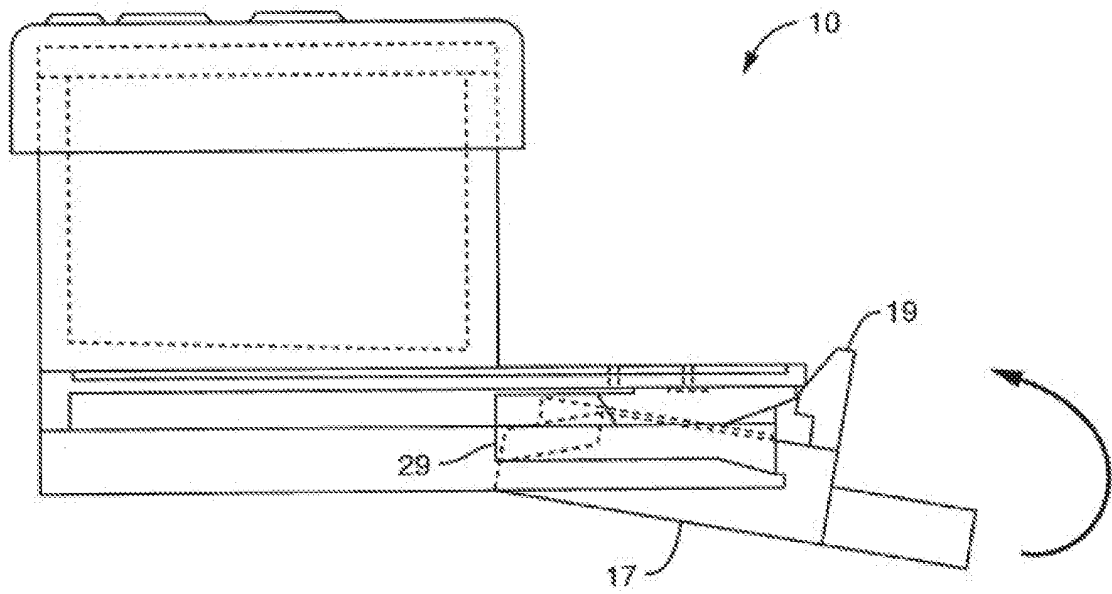


FIG. 4C

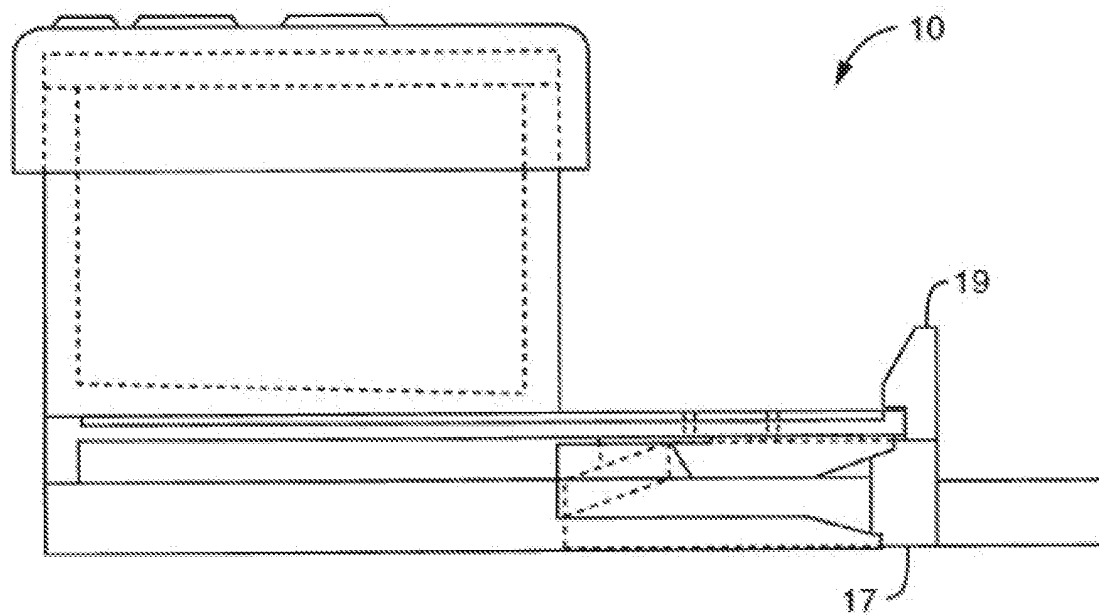
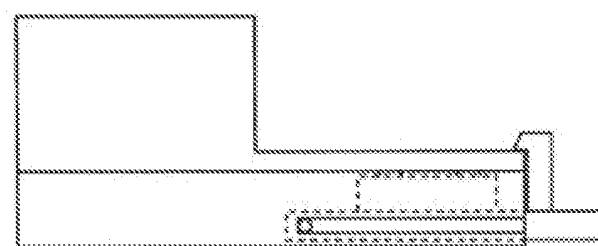
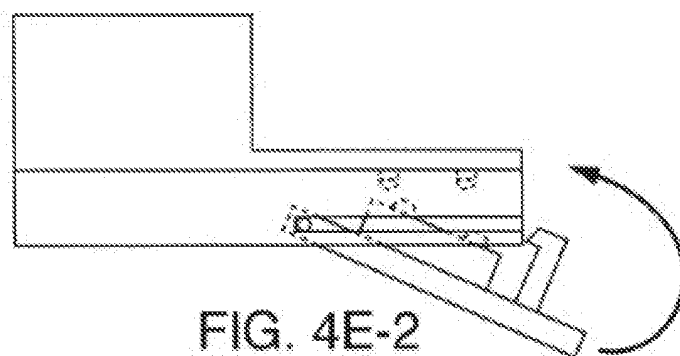
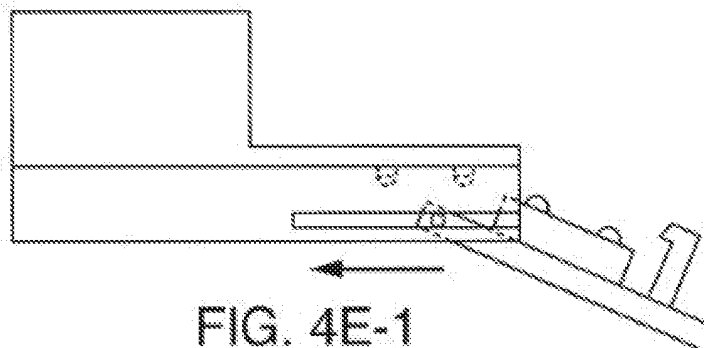
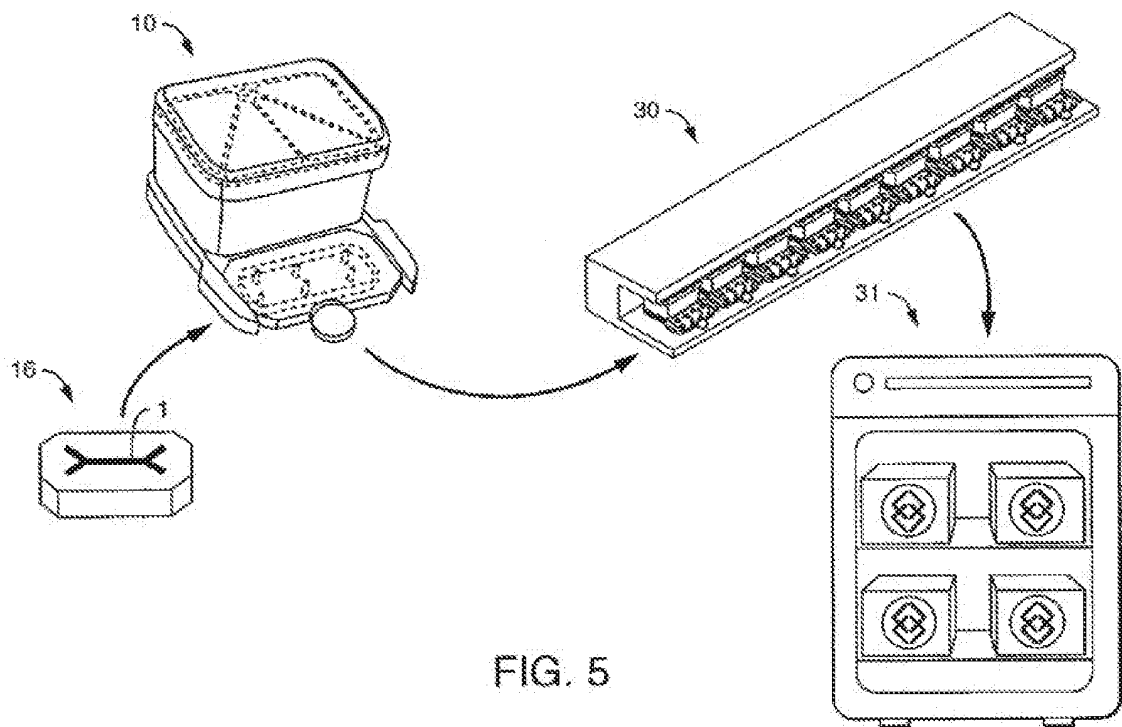
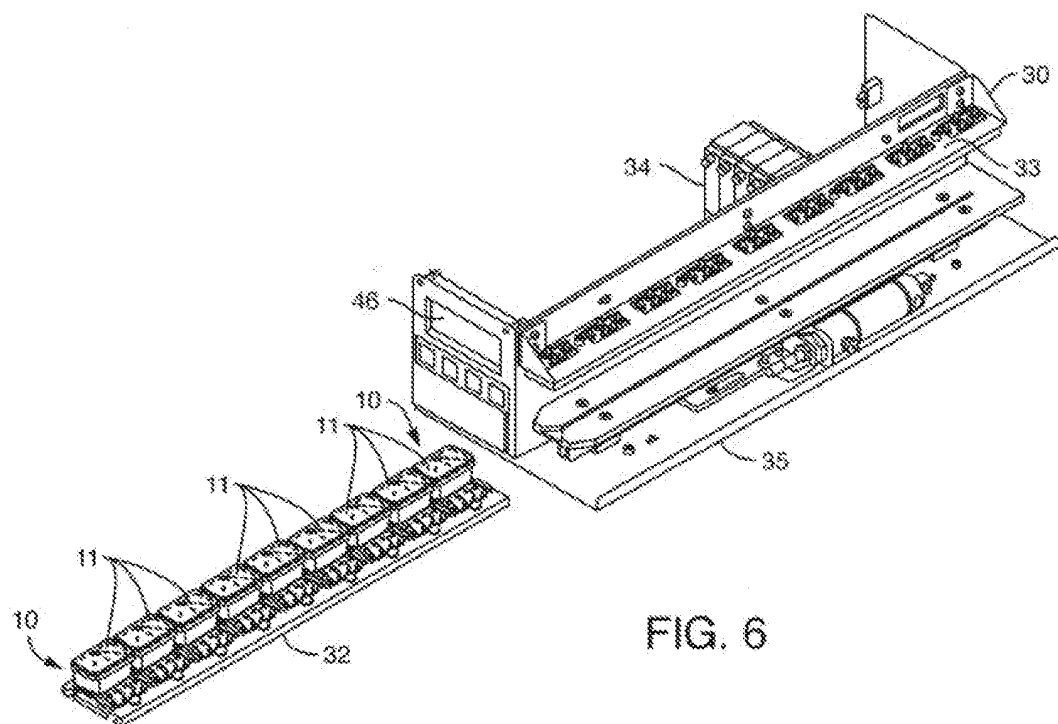
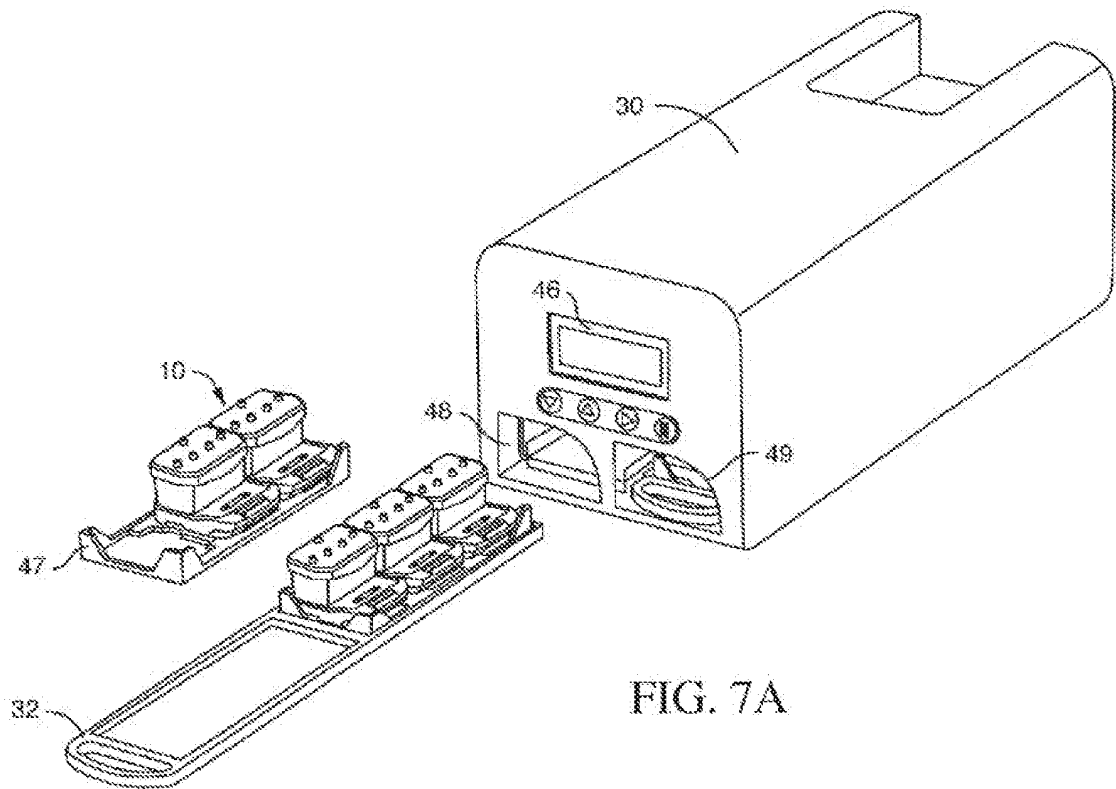


FIG. 4D









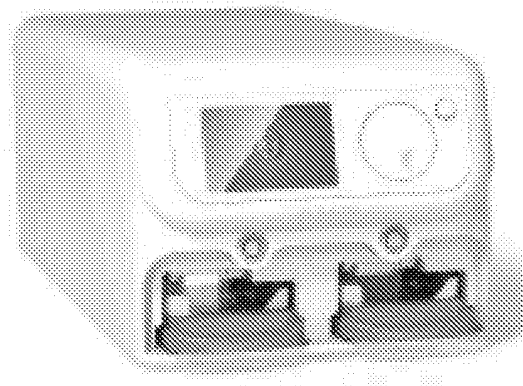
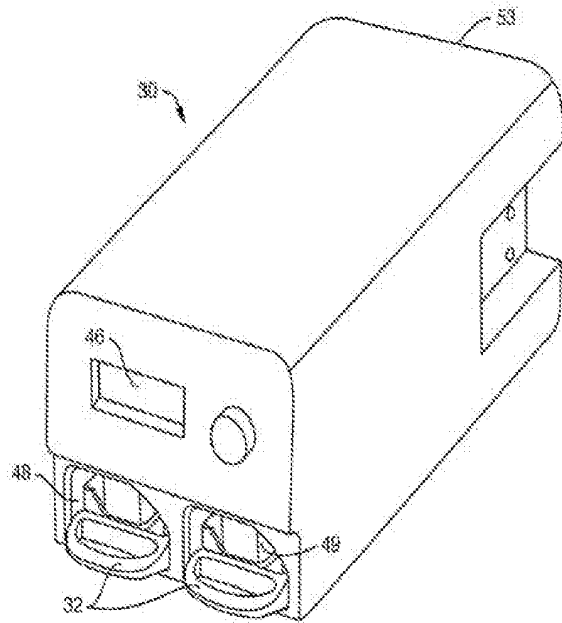


FIG. 7B



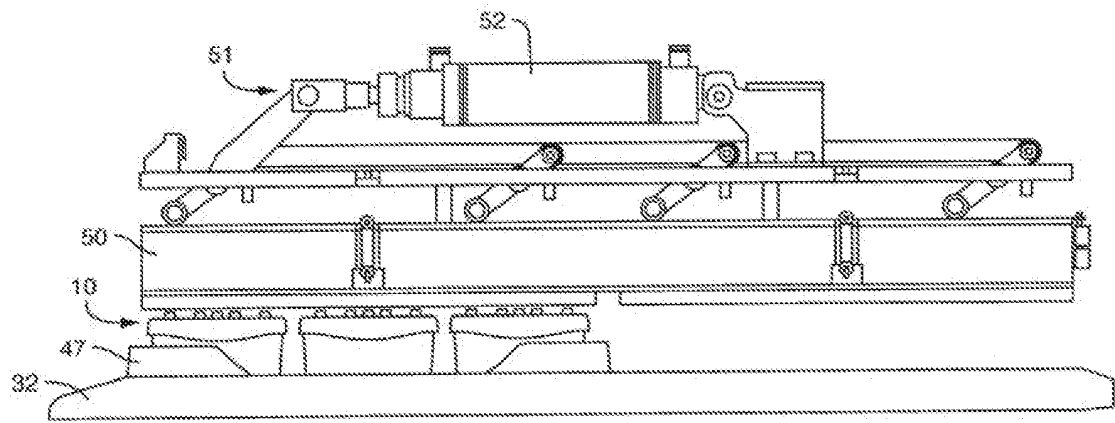


FIG. 8A

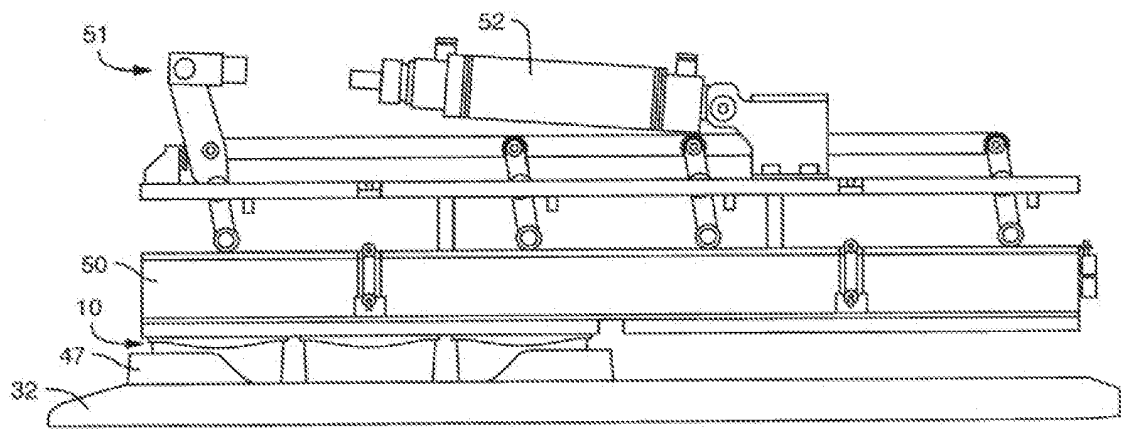


FIG. 8B

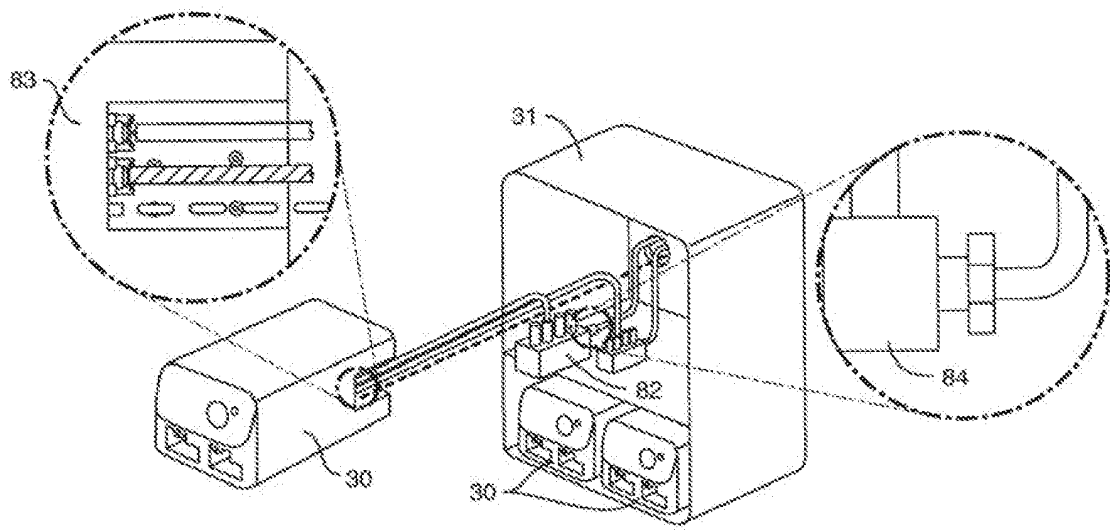


FIG. 9A

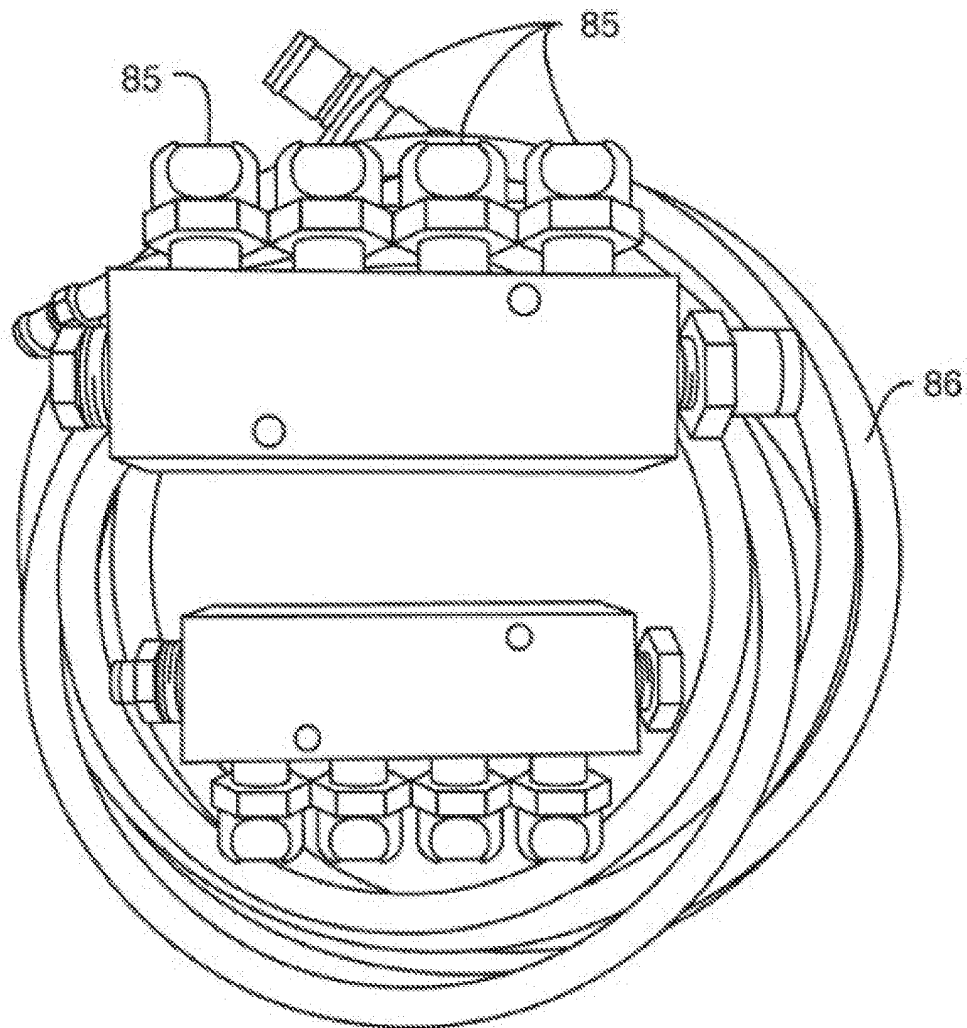


FIG. 9B

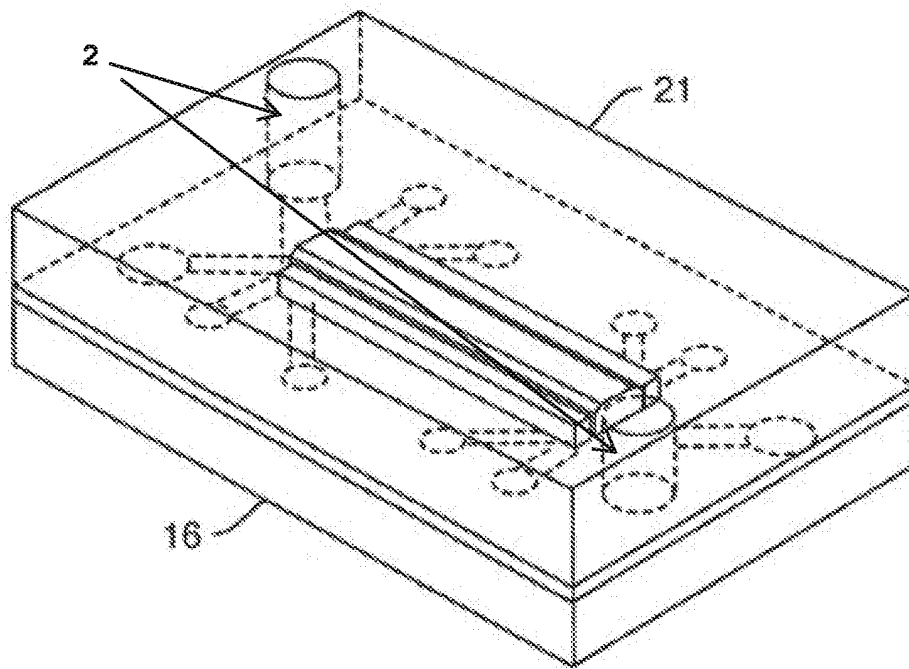


FIG. 10A

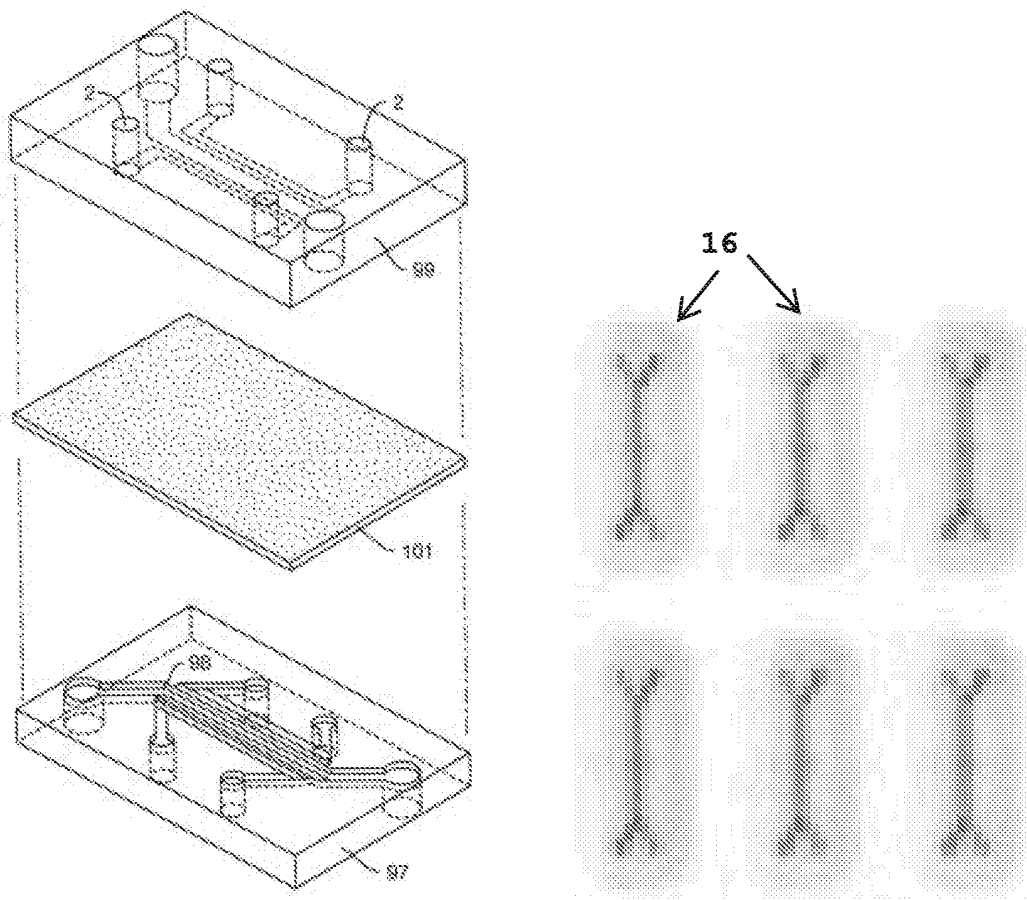


FIG. 10B

Fig. 11

reservoirs 111

Media Top

Media Bottom

Media Wash

PBS

Lysozyme

Proteinase

112

114

117

113

115A

118

210

115B

124

125

126

127

119

120

122

123

116

Waste

129

131

130

132

Sample 1

Air plug

Sample 2

128

113

Valve 112

Pump 113

Bubble Trap 114

Reservoir-121 containing gas, air, or fluids for use as plugs between samples

Fig. 12

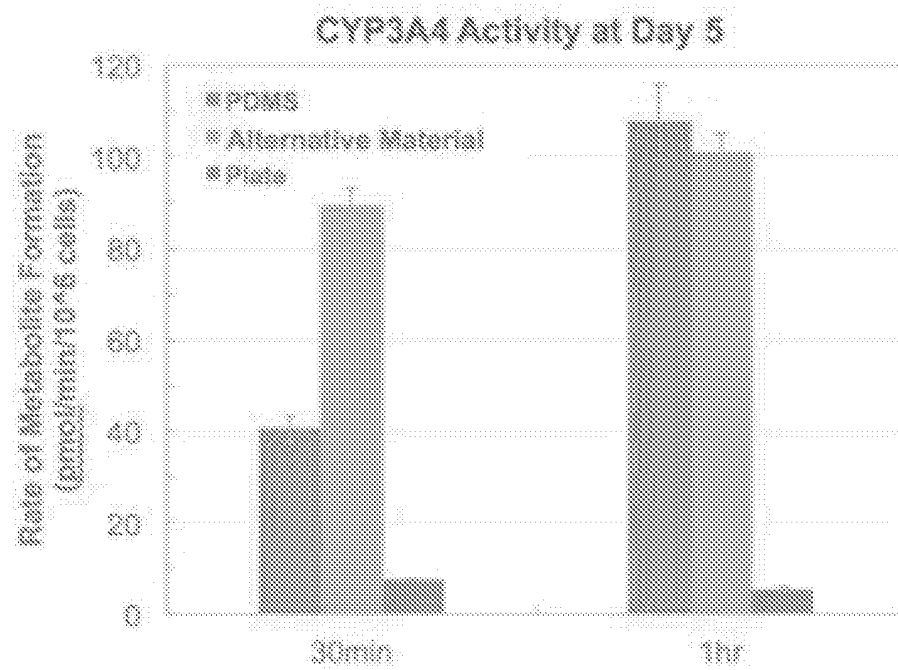


Fig. 13

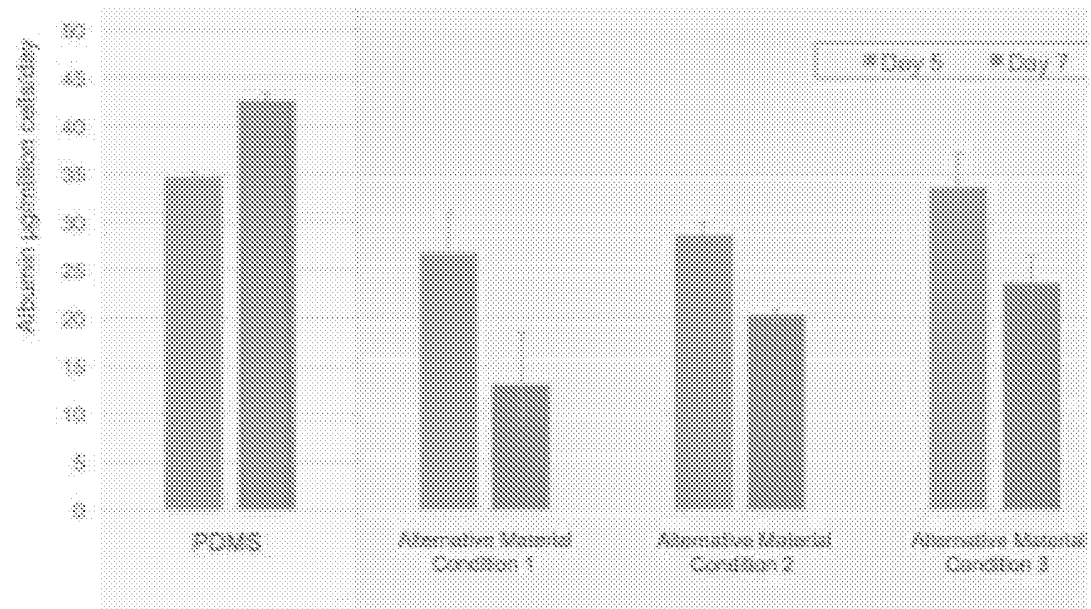


Fig. 14

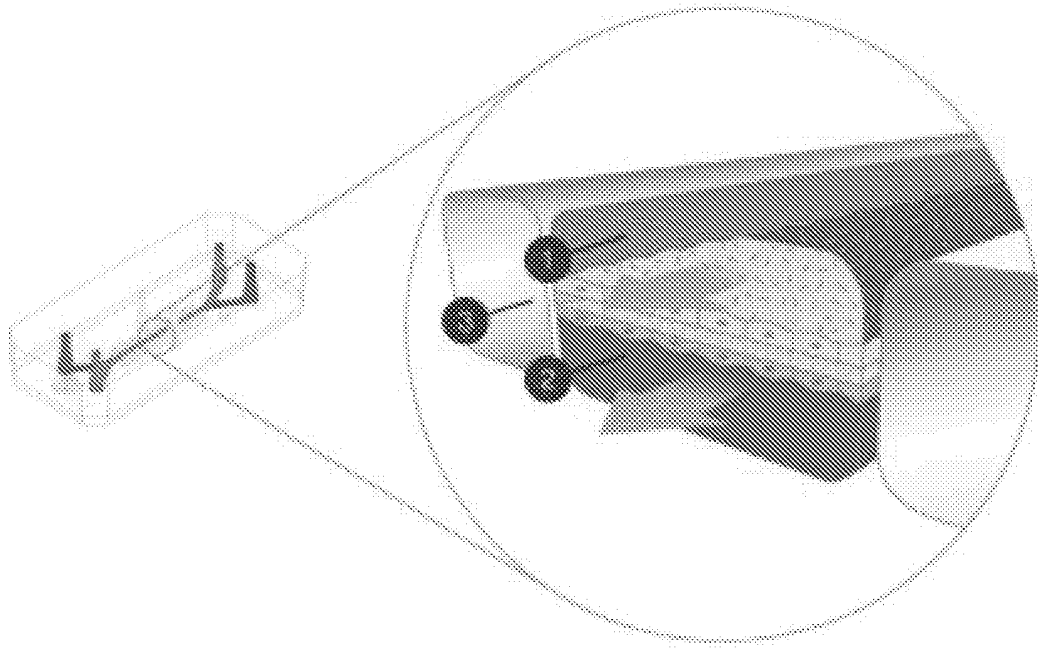


Fig. 15A-D

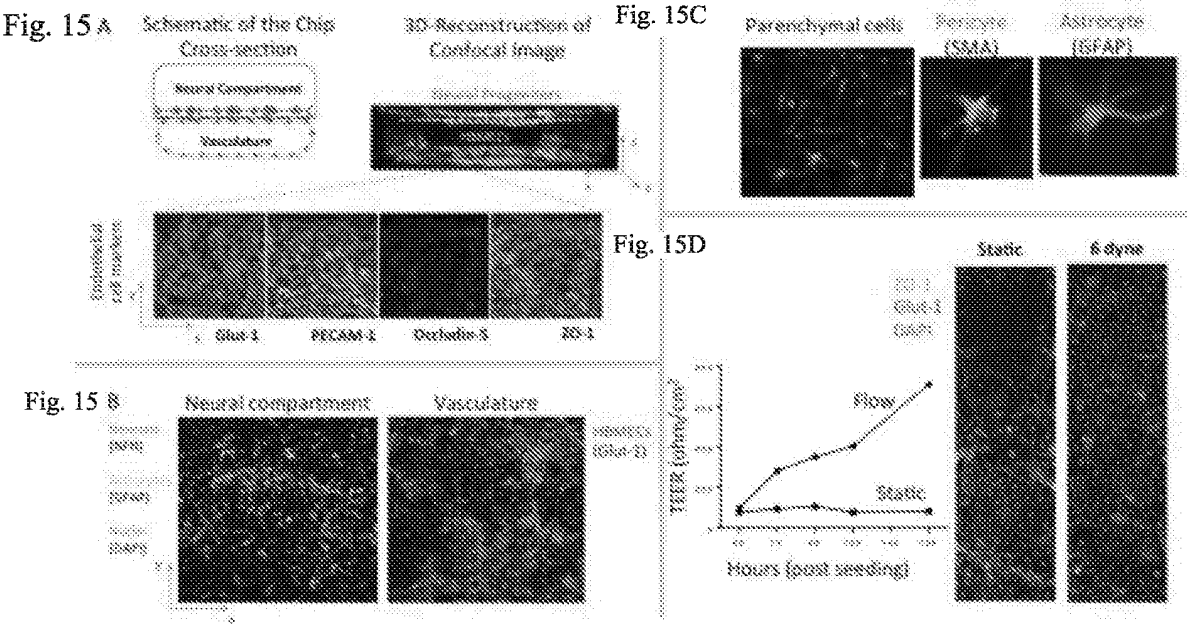


Fig. 16

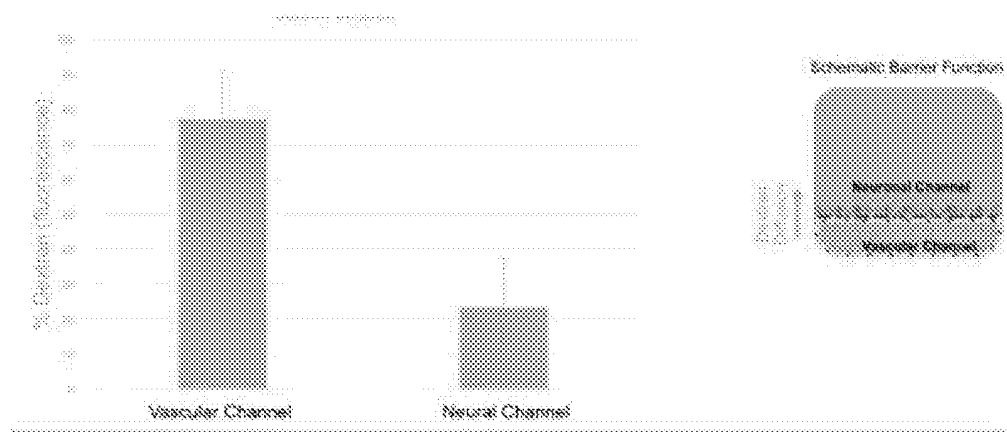


Fig. 17A-D

Fig. 17 A

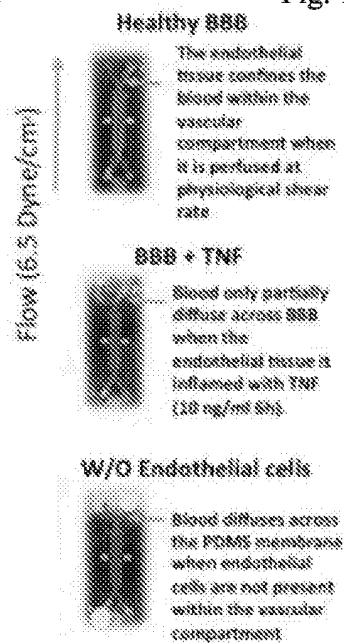


Fig. 17 B

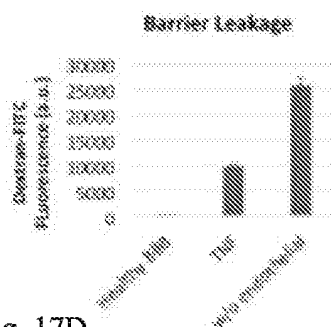


Fig. 17 C

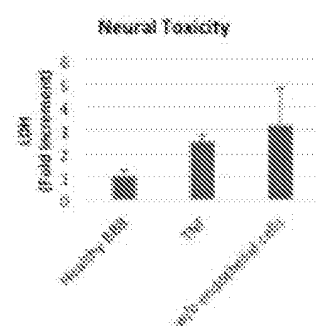


Fig. 17D

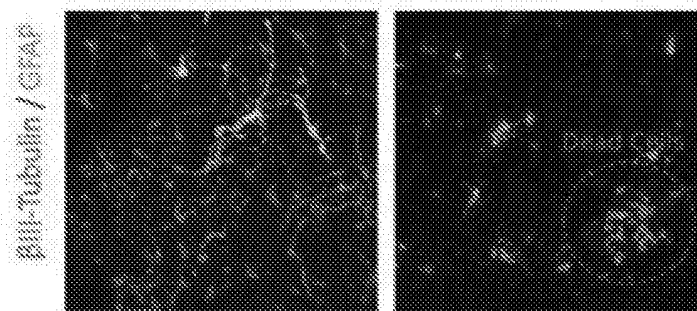


Fig. 18

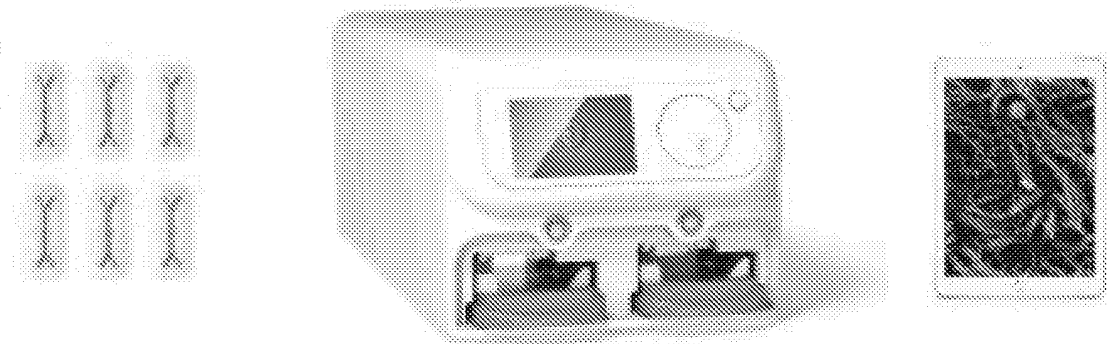


Fig. 18A

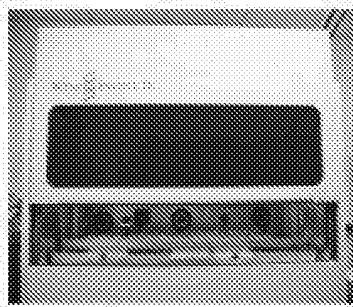


Fig. 18B

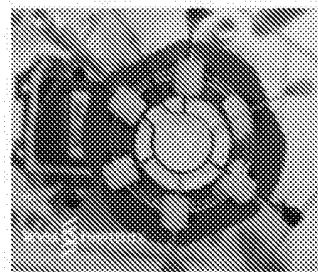


Fig. 18C

Fig. 19

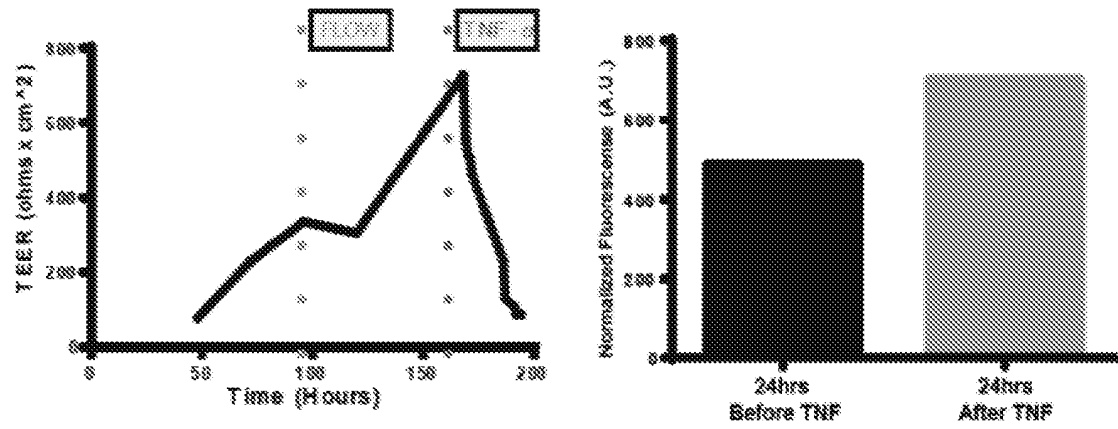


Fig. 20

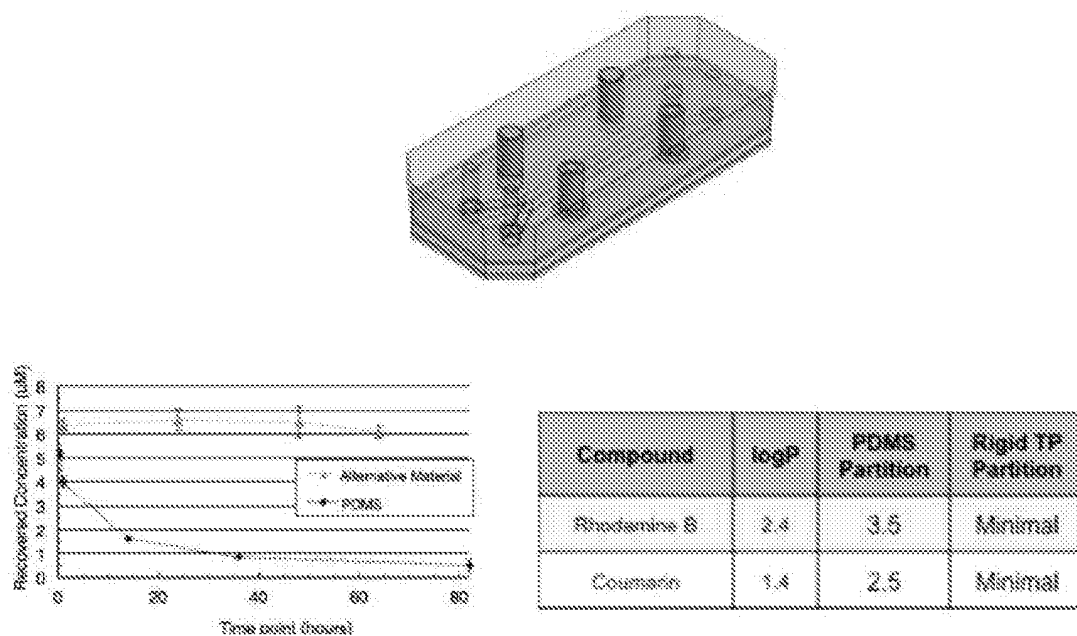


Fig. 21

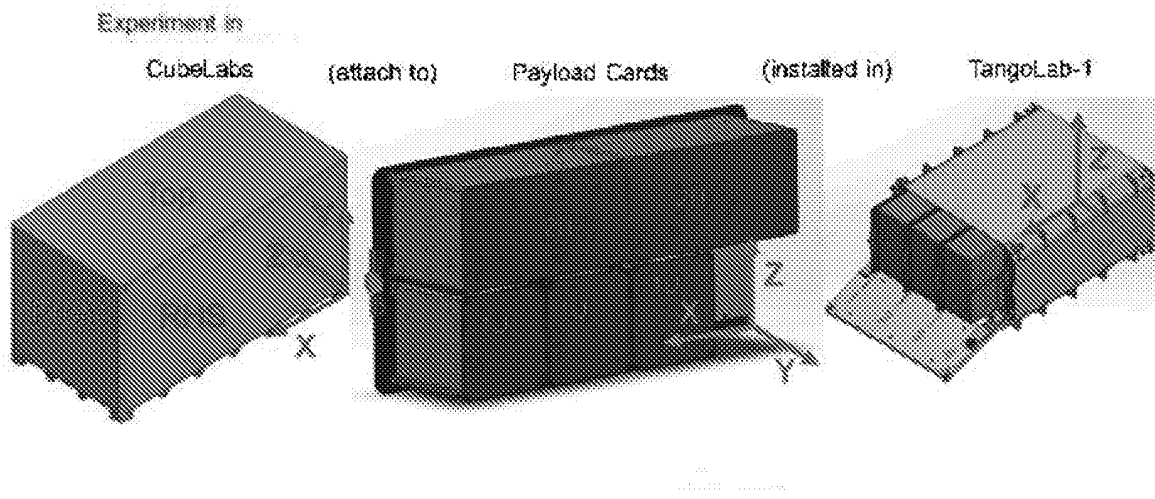


Fig. 22

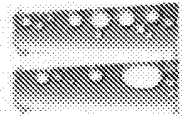
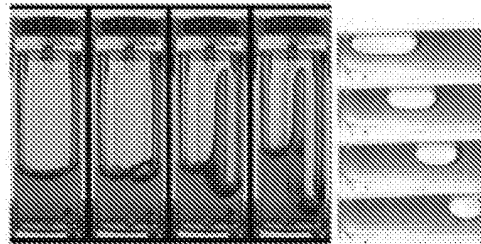


Fig. 23

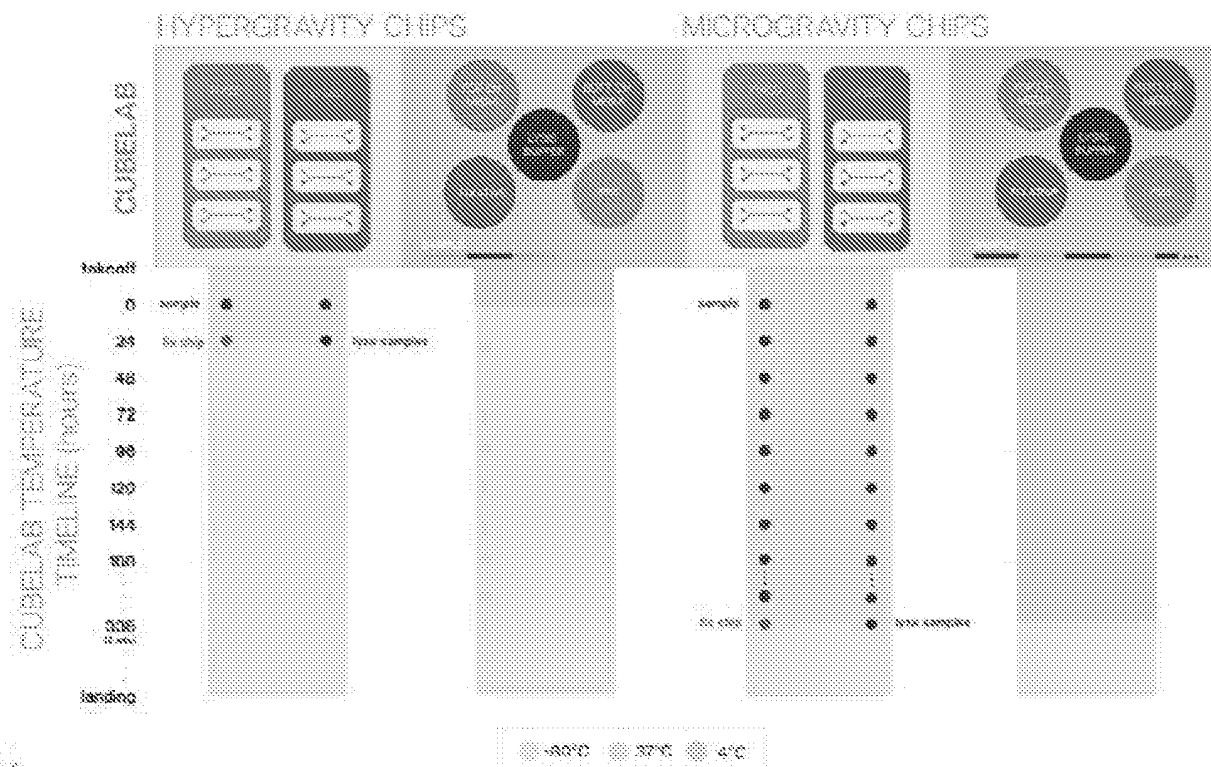
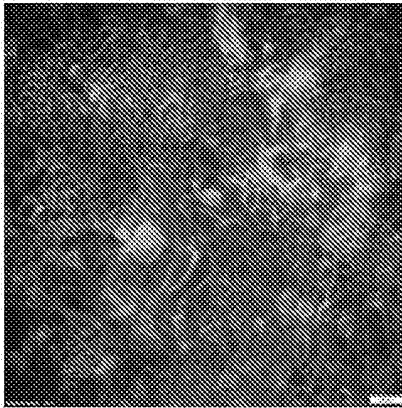
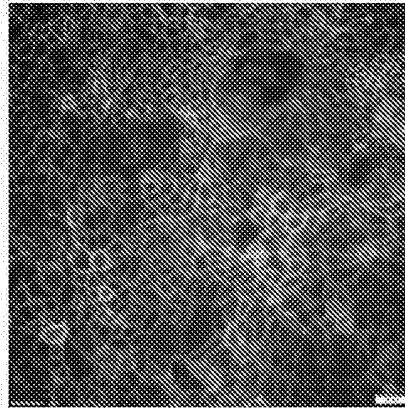


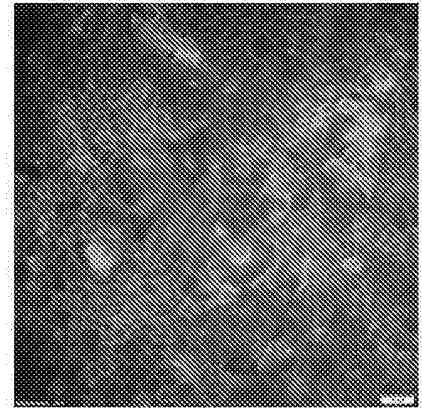
Fig. 24



Methanol

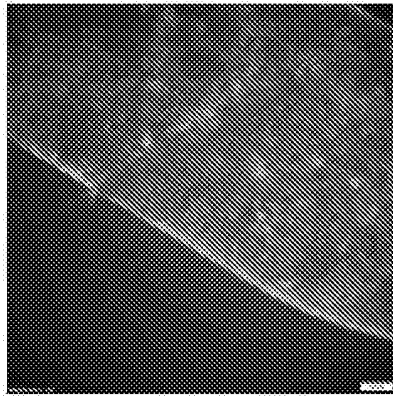


NDS + Glycine

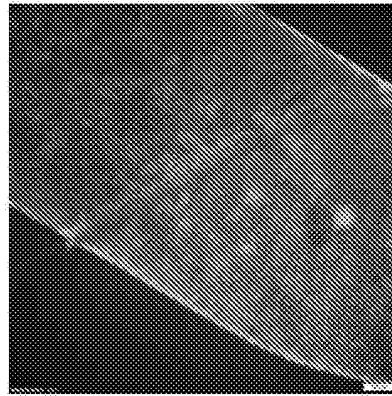


PBS

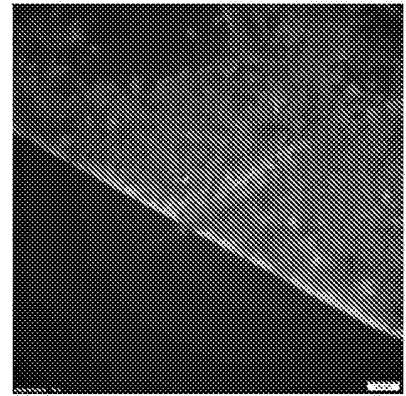
Fig. 25



MeOH



NDS + Glycine



PBS

Fig. 26A-F

Fig. 26A

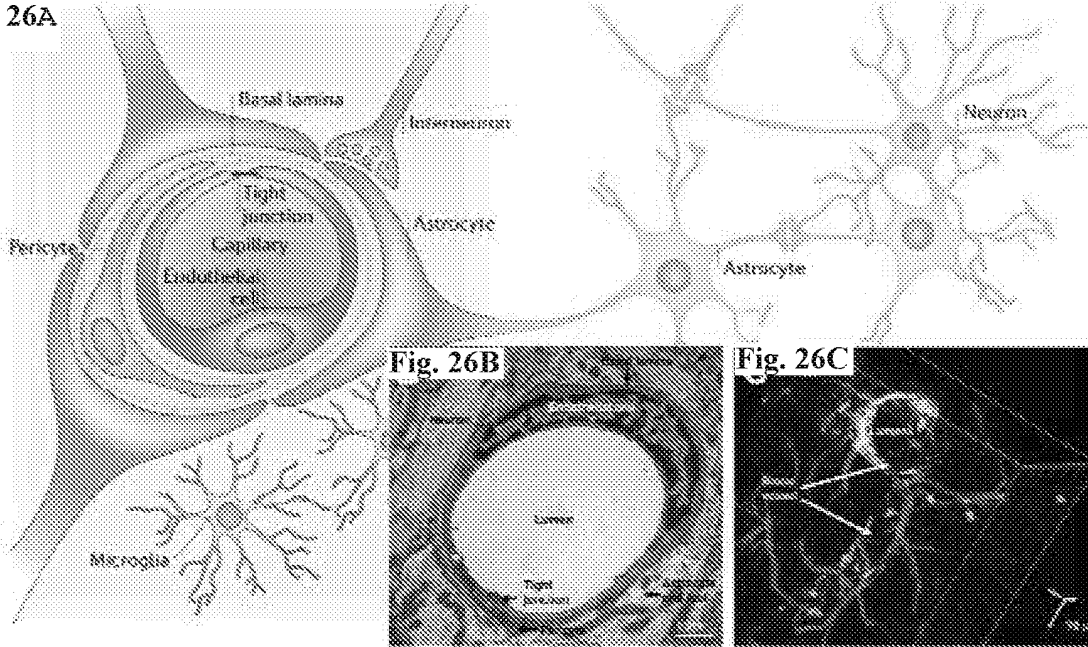


Fig. 26B

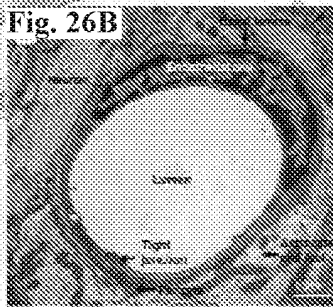


Fig. 26C

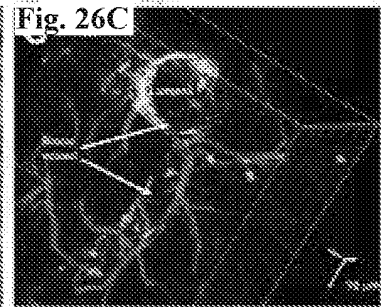


Fig. 26D

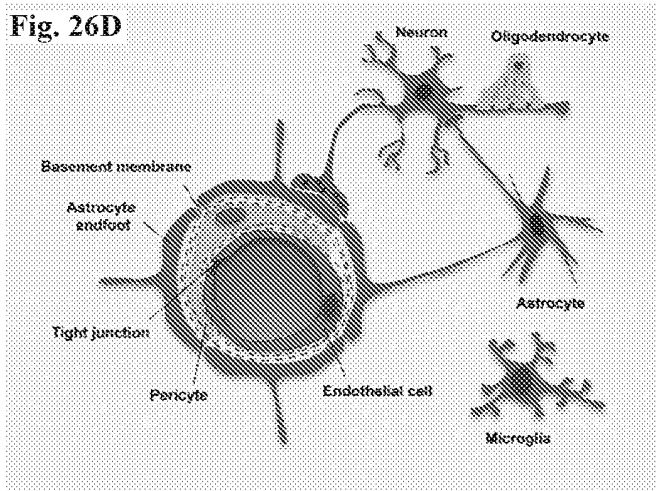


Fig. 26E

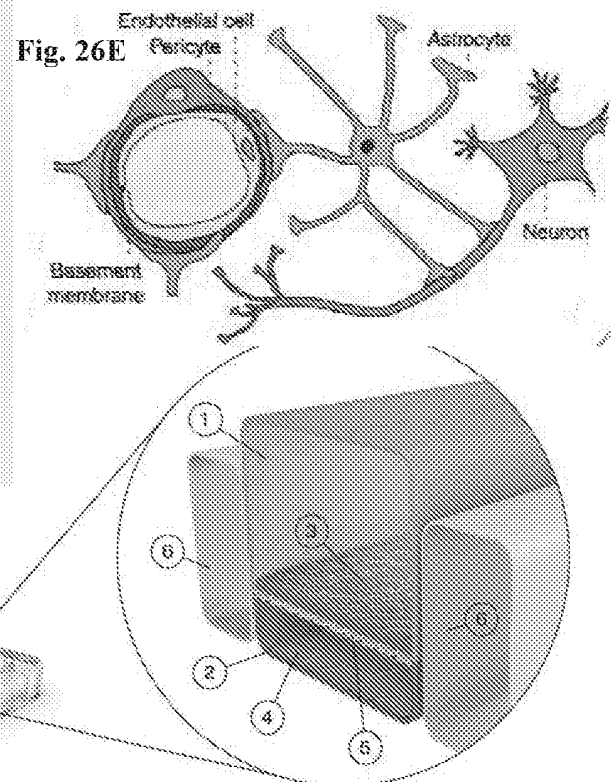


Fig. 26F

Fig. 27A-B

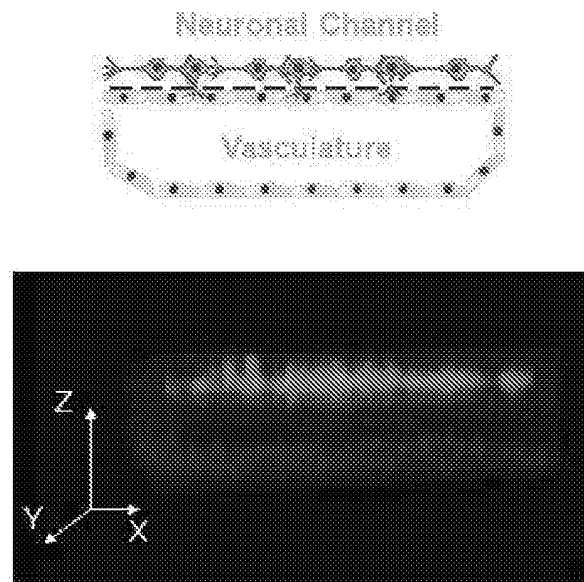


Fig. 27A

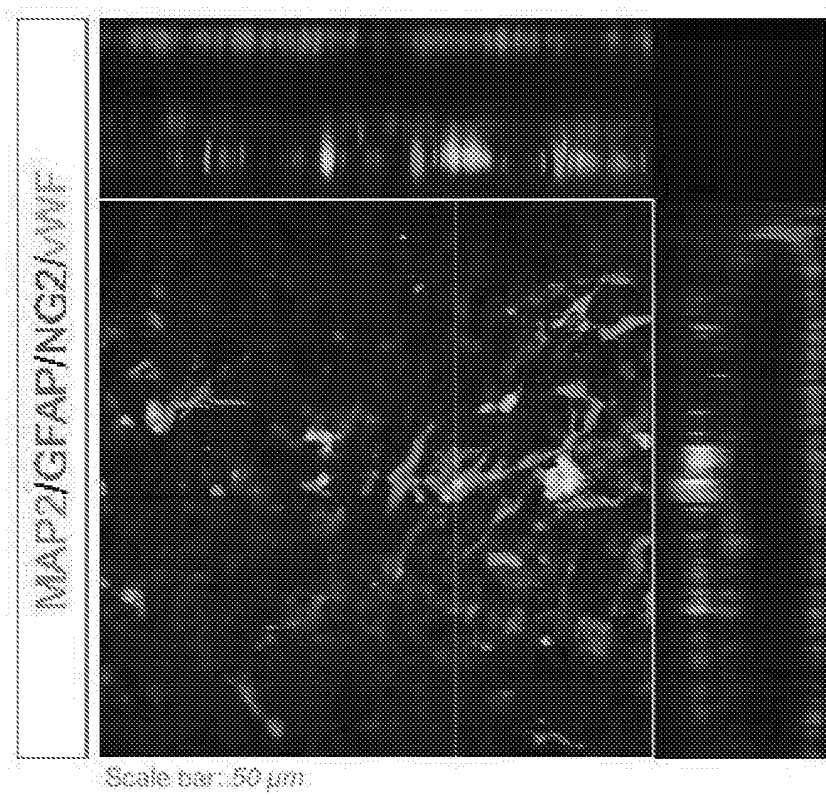


Fig. 27B

Fig. 28A-C

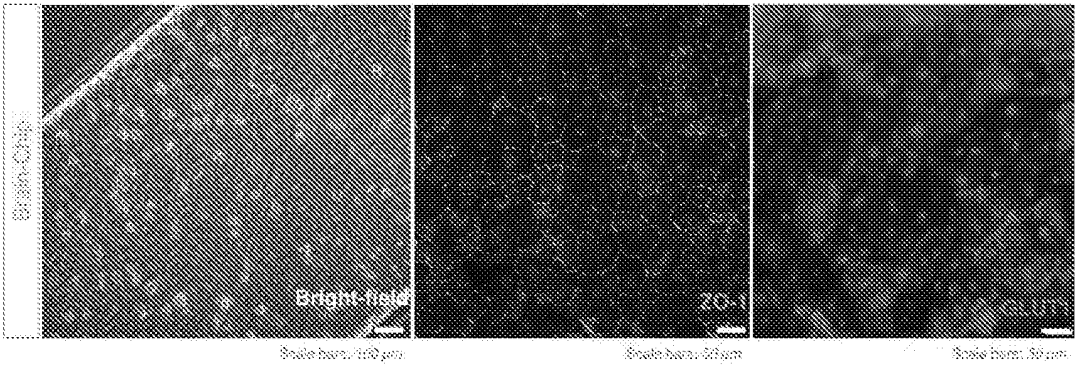


Fig. 28A

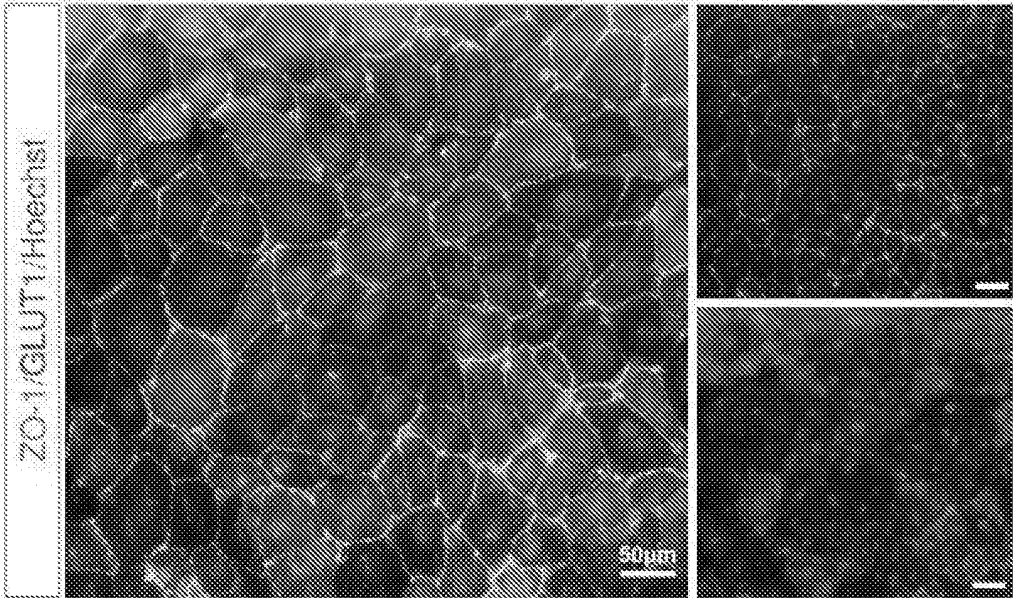


Fig. 28B

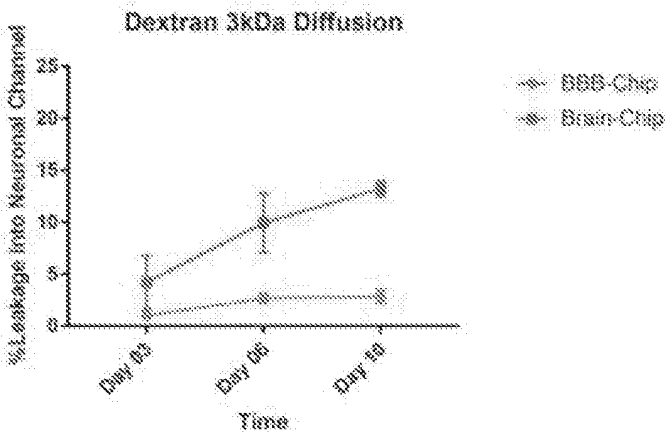


Fig. 28C

Fig. 29A-B

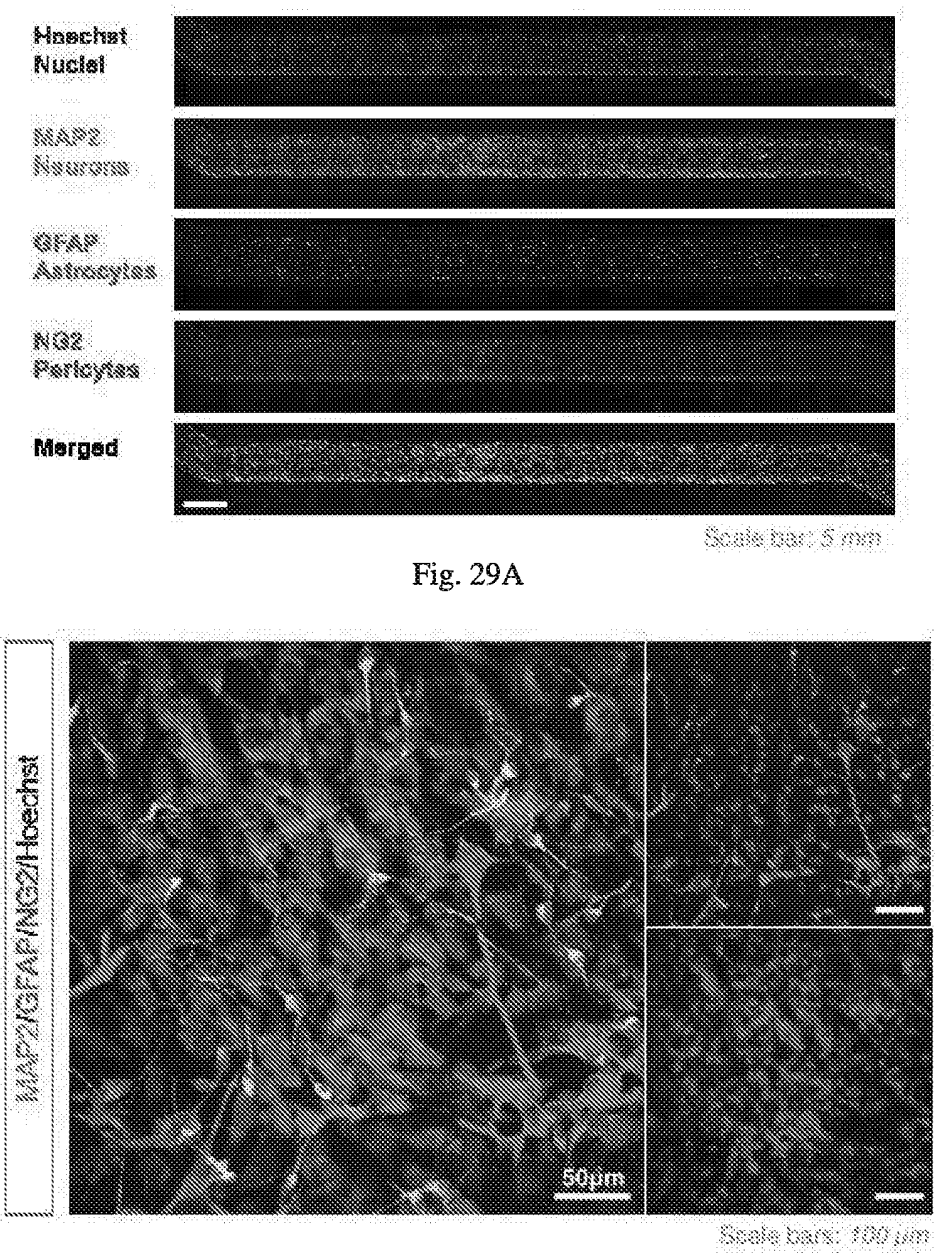


Fig. 30A-C

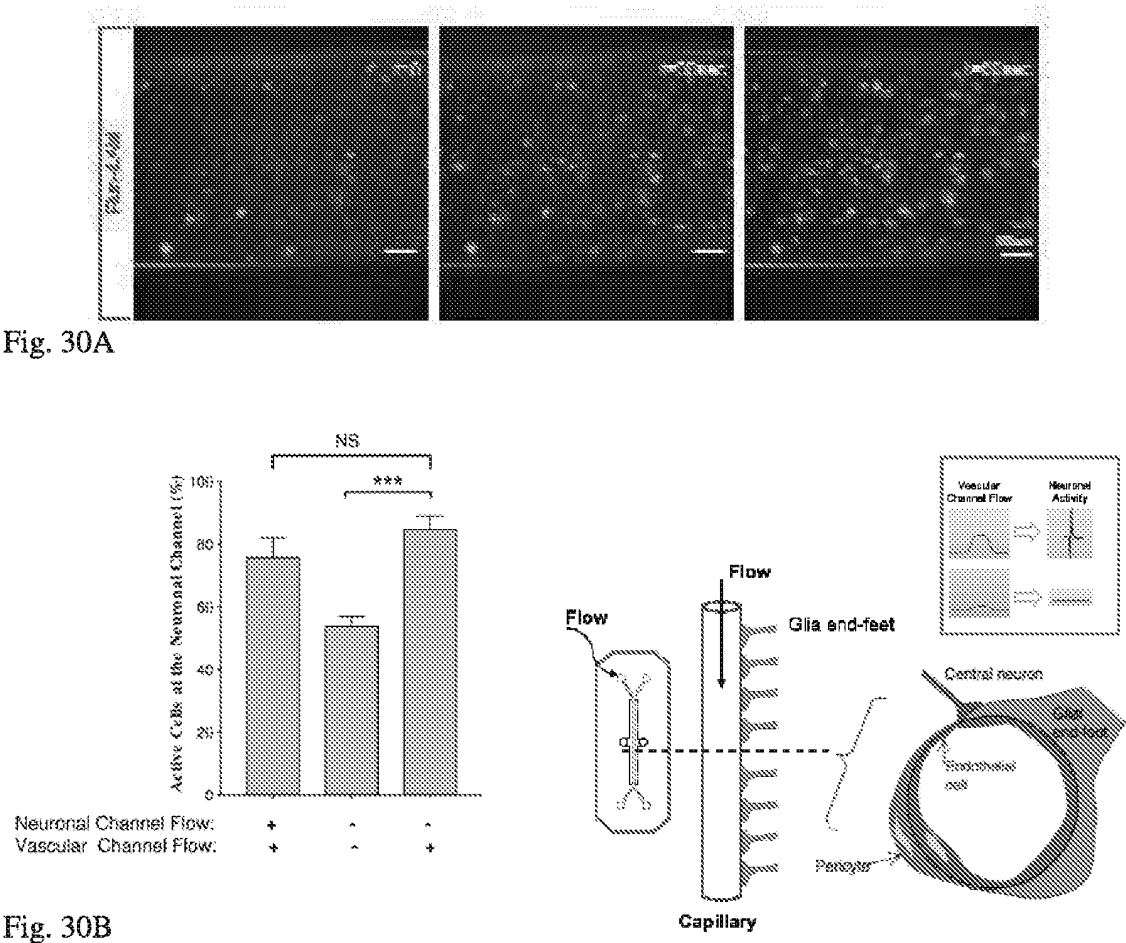


Fig. 31A-C

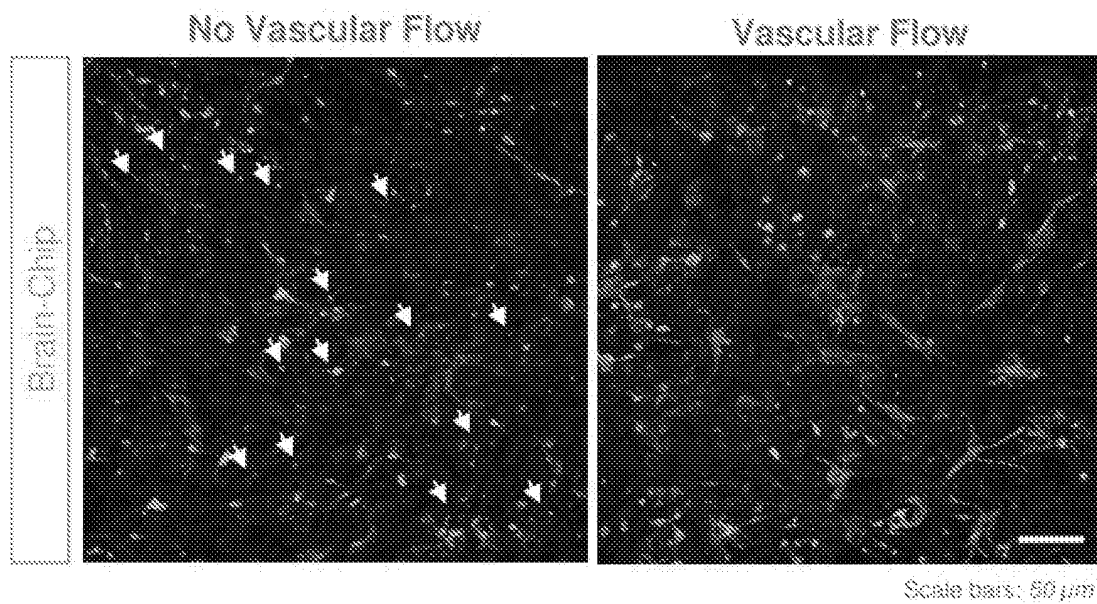


Fig. 31A

Fig. 31B

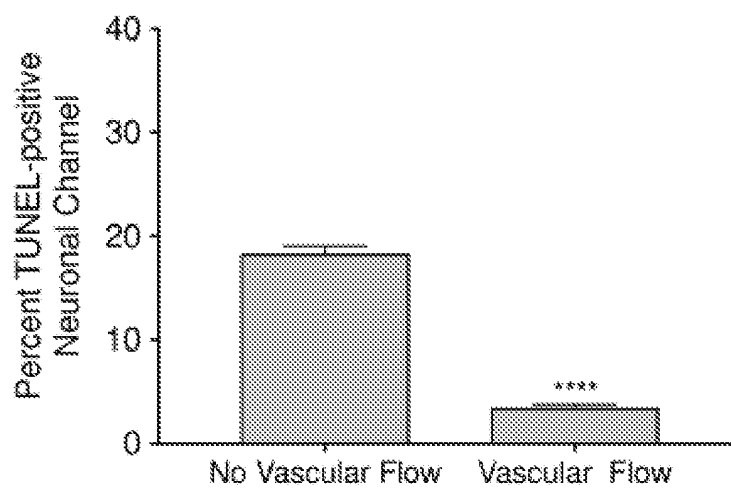


Fig. 31C

Fig. 32A-B

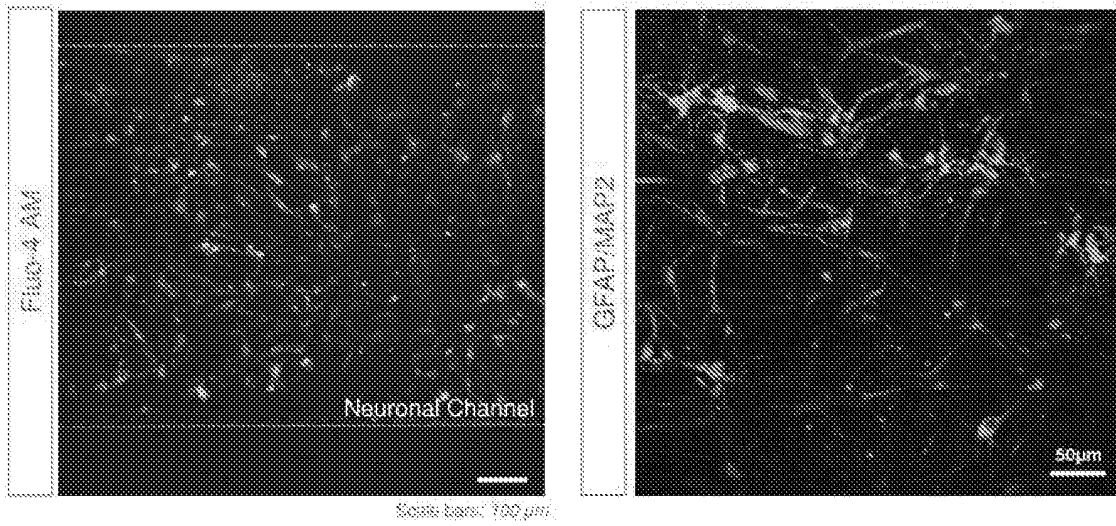


Fig. 32A

Fig. 32B

Fig. 33

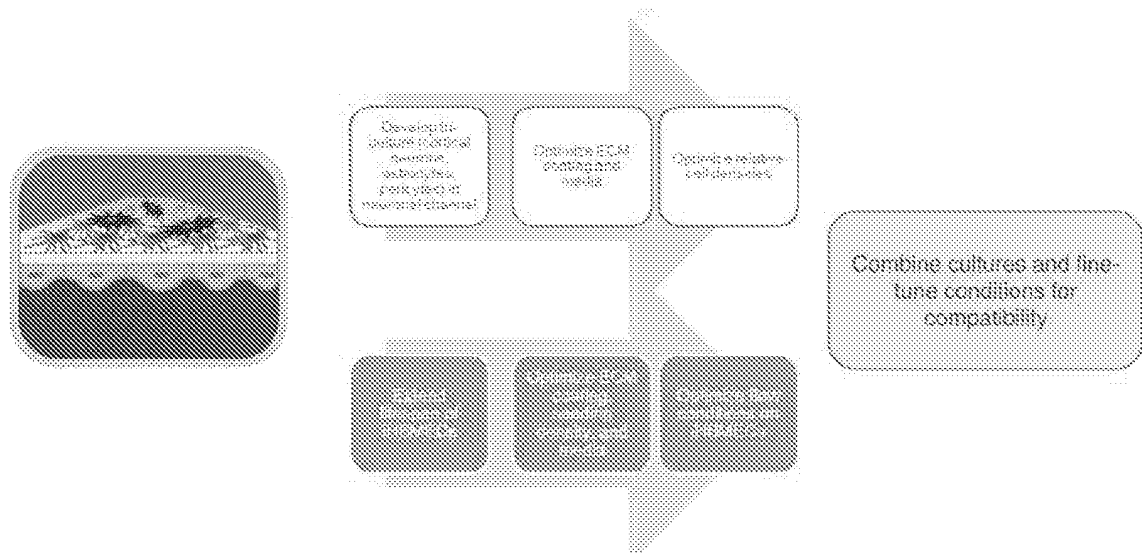


Fig. 34

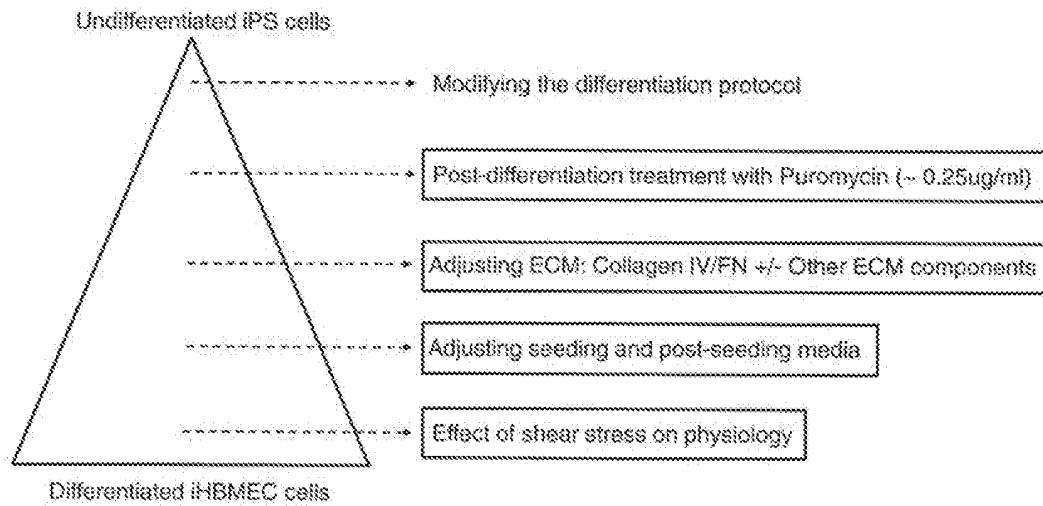


Fig. 35

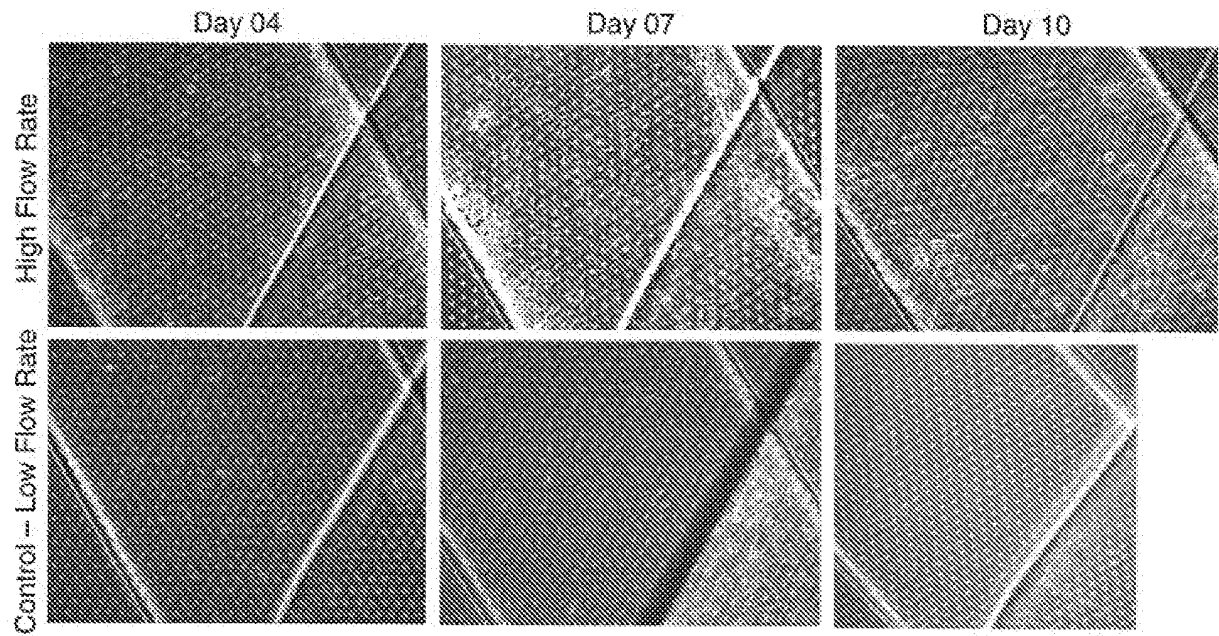


Fig. 36

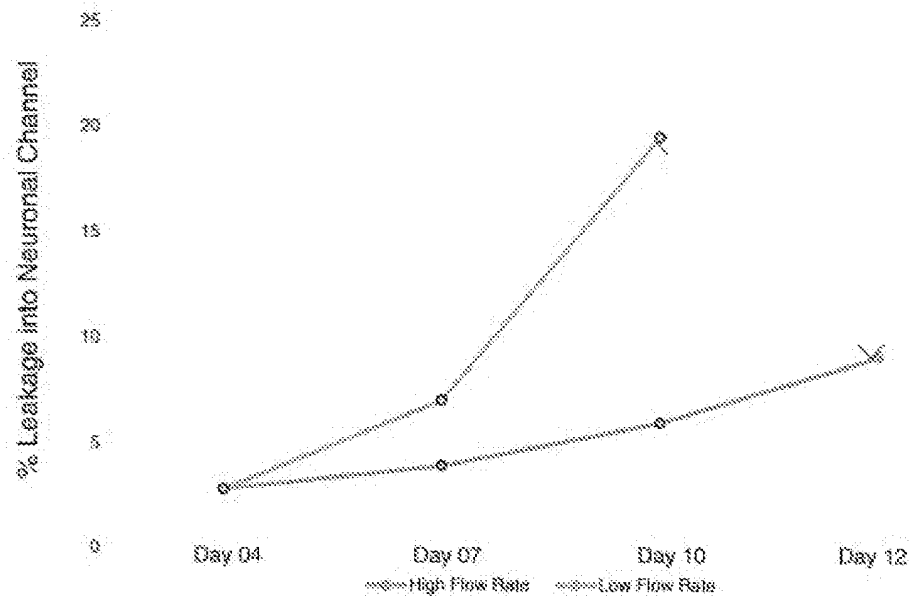


Fig. 37

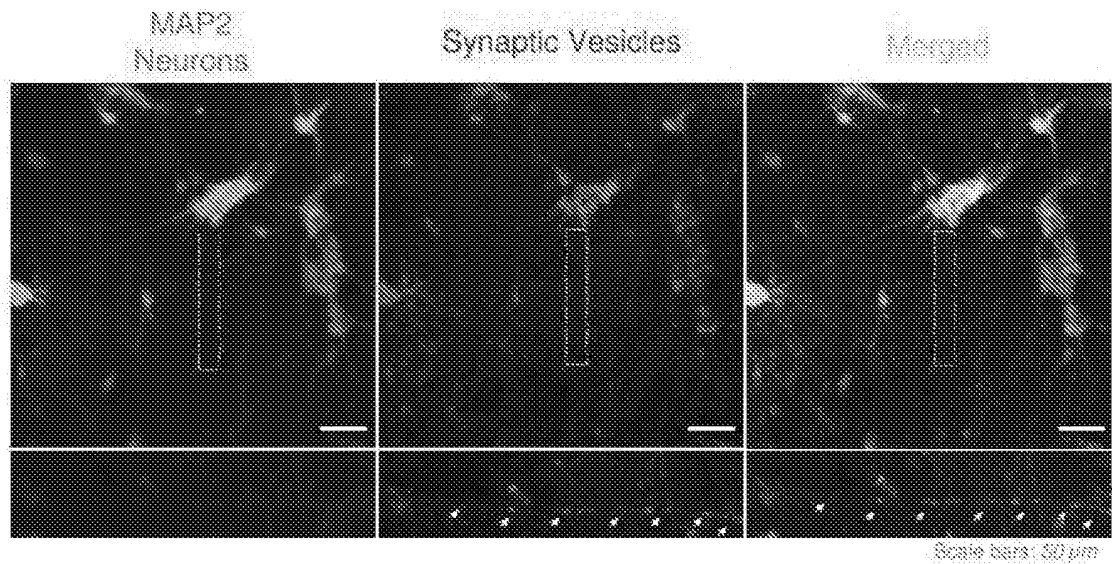


Fig. 37A

Fig. 37B

Fig. 37C

Fig. 38A:-B

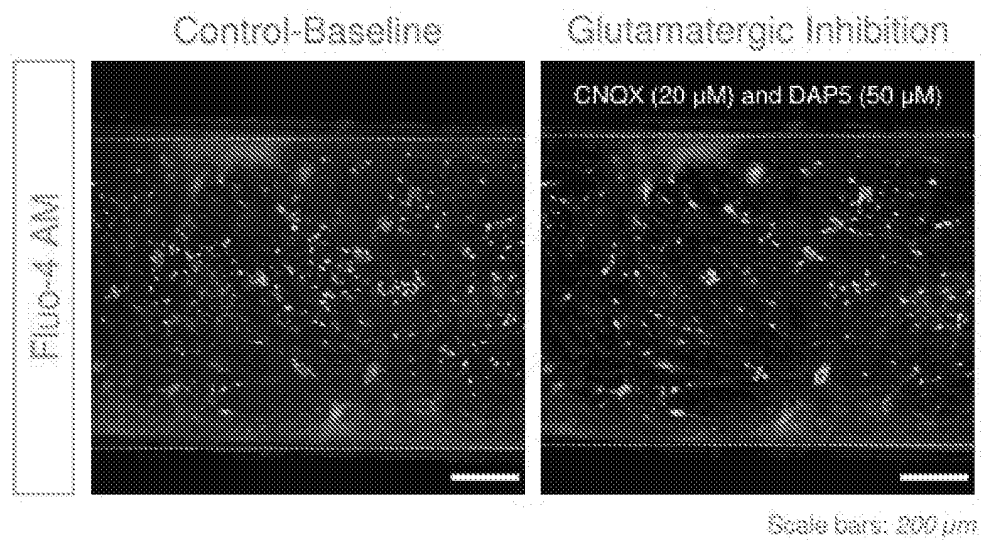


Fig. 38A

Fig. 38B

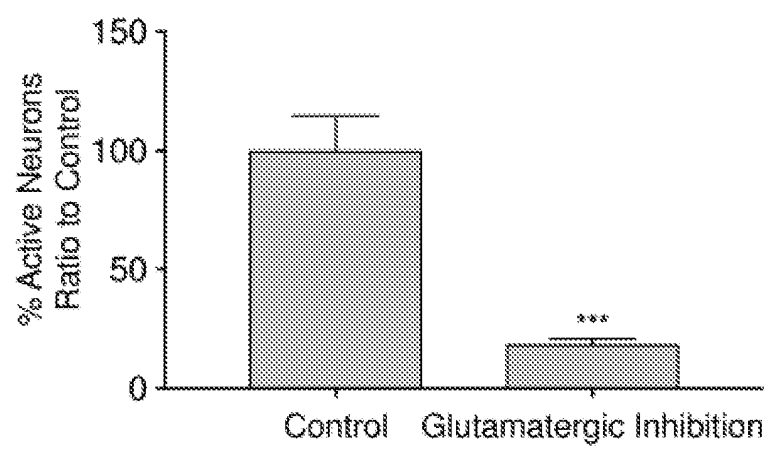


Fig. 38C

Fig. 39A-B

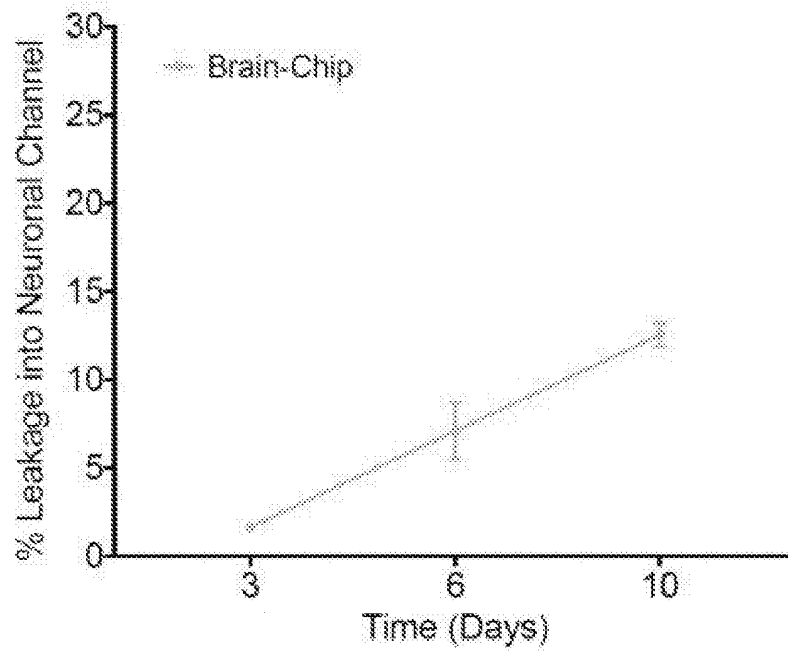


Fig. 39A

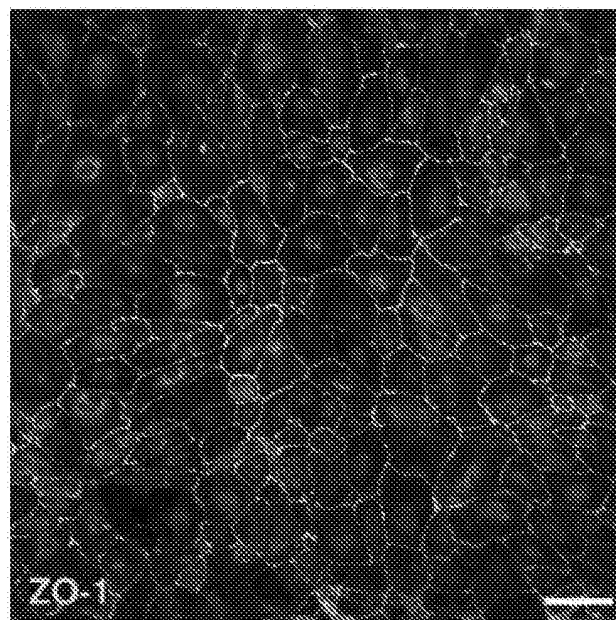
Scale bars: 50 μ m

Fig. 39B

Fig. 40

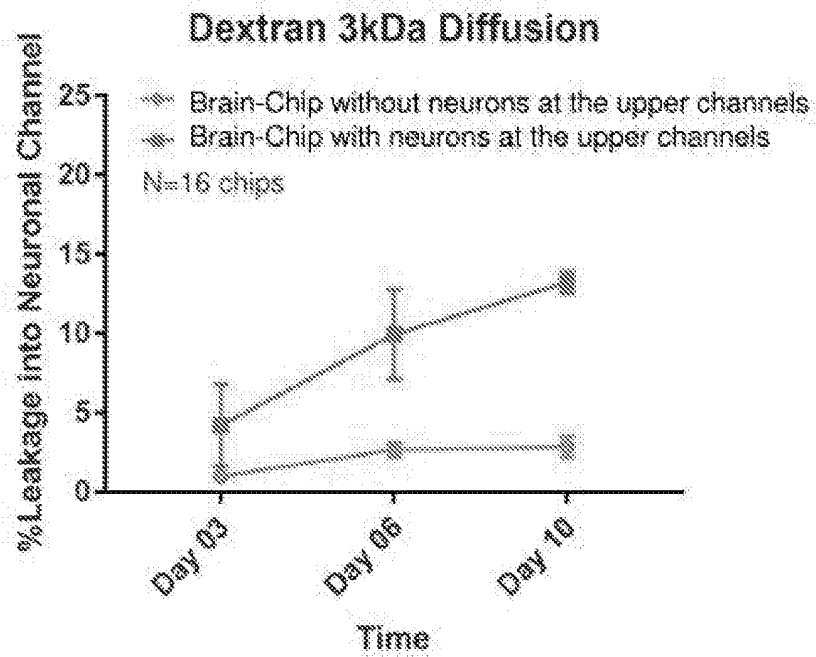


Fig. 41A-B

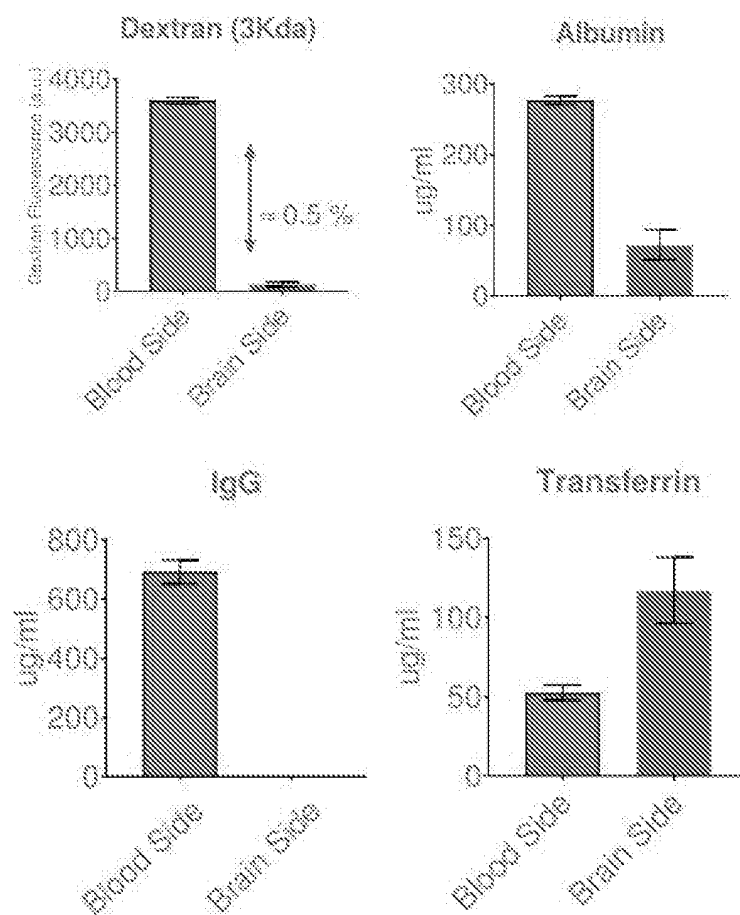


Fig. 41A

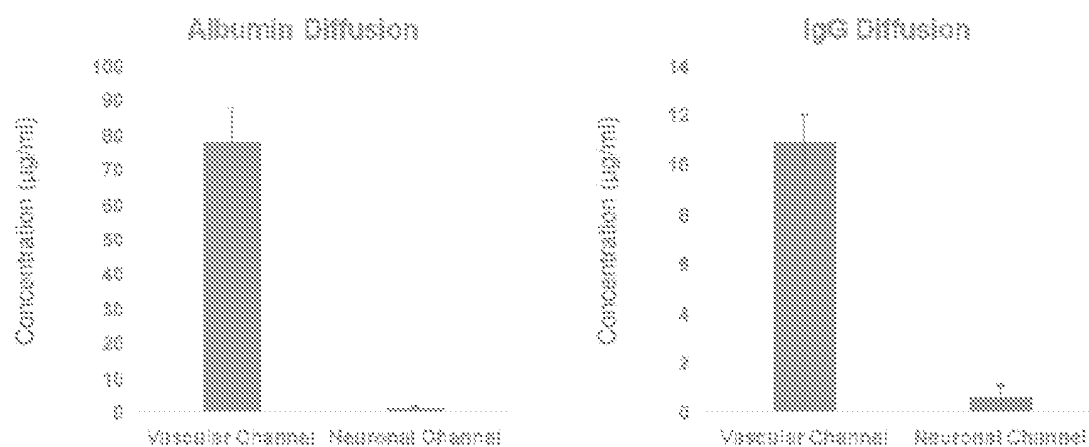


Fig. 41B

Fig. 42

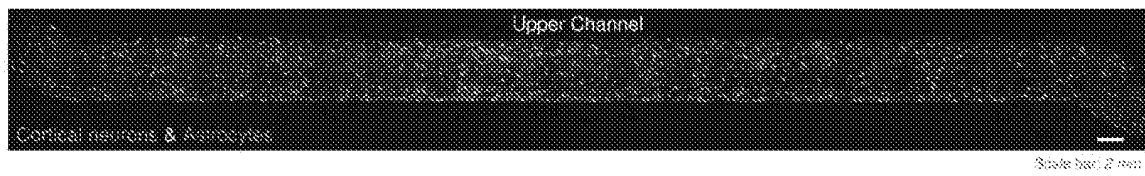


Fig. 43A-B

Fig. 43A

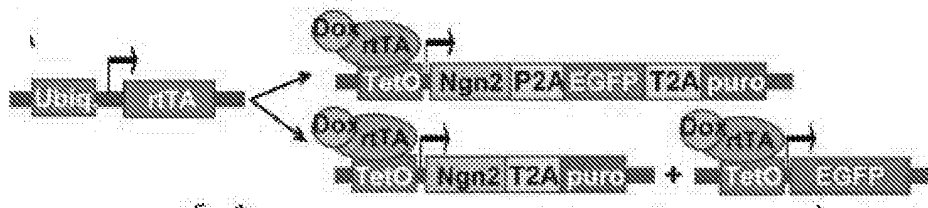


Fig. 43B

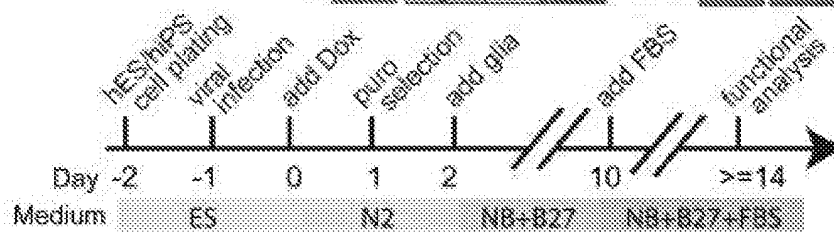


Fig. 44A-C

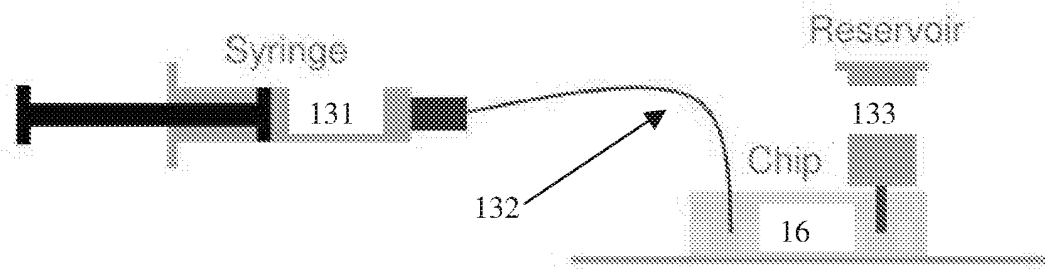


Fig. 44A

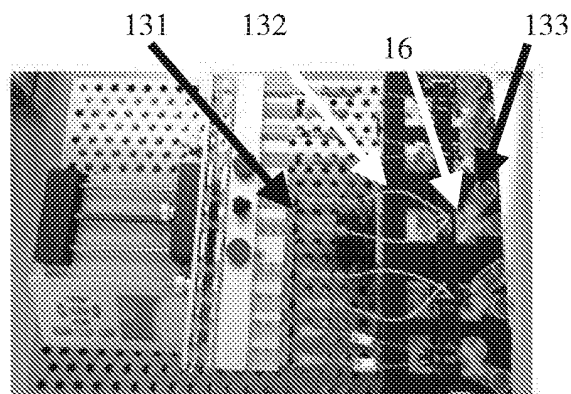


Fig. 44B

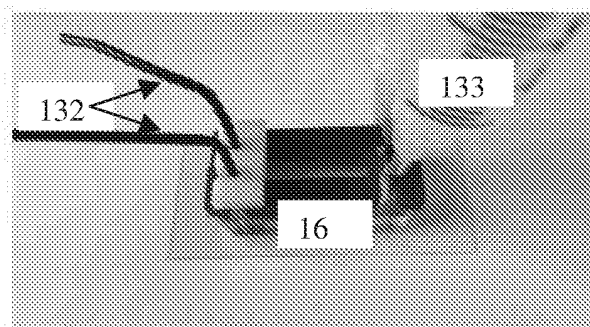


Fig. 44C

Fig. 45A-C

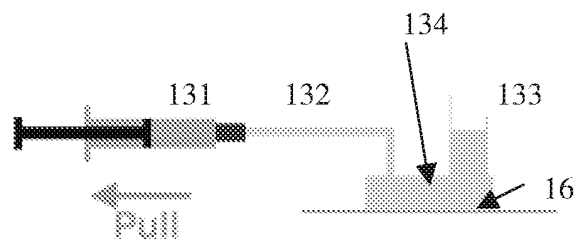


Fig. 45A

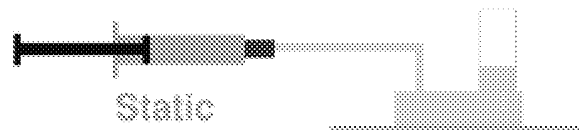
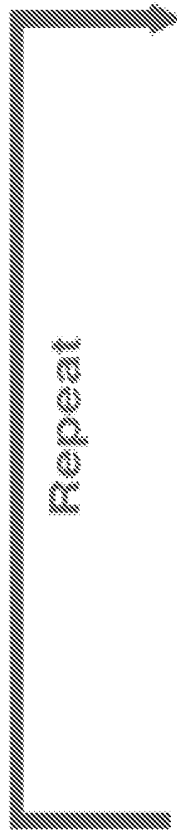


Fig. 45B



Fig. 45C



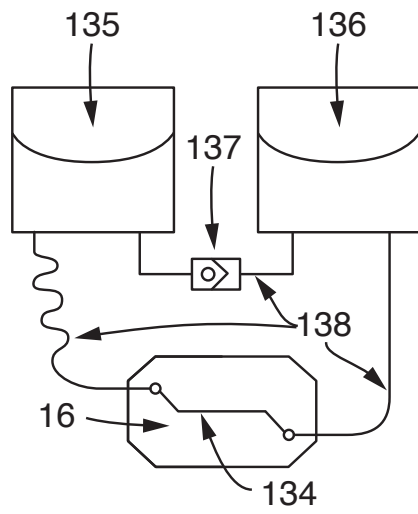
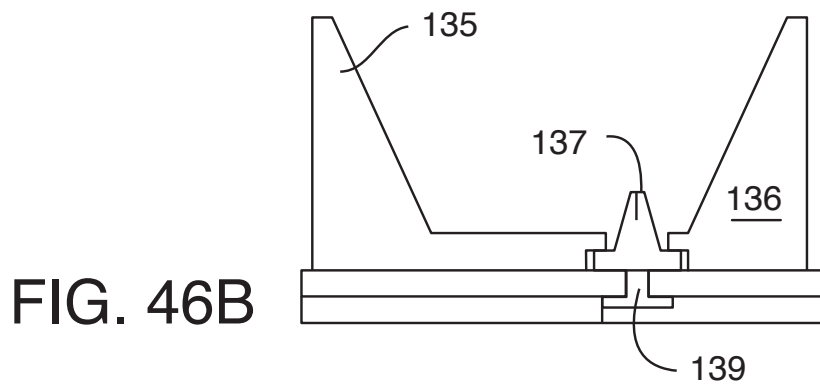
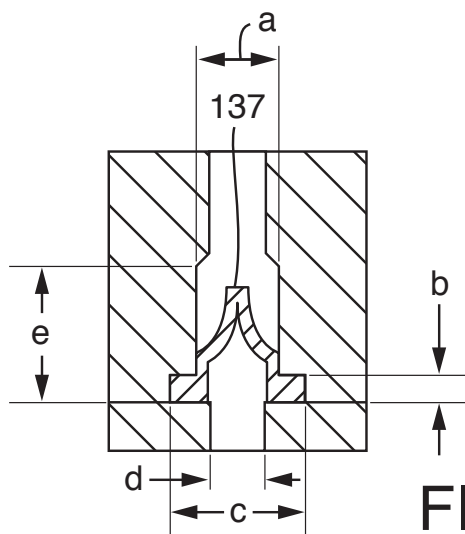
FIGURES 46A, 46B AND 46C**FIG. 46A****FIG. 46B****FIG. 46C**

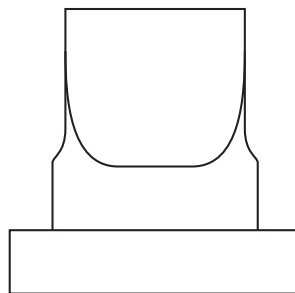
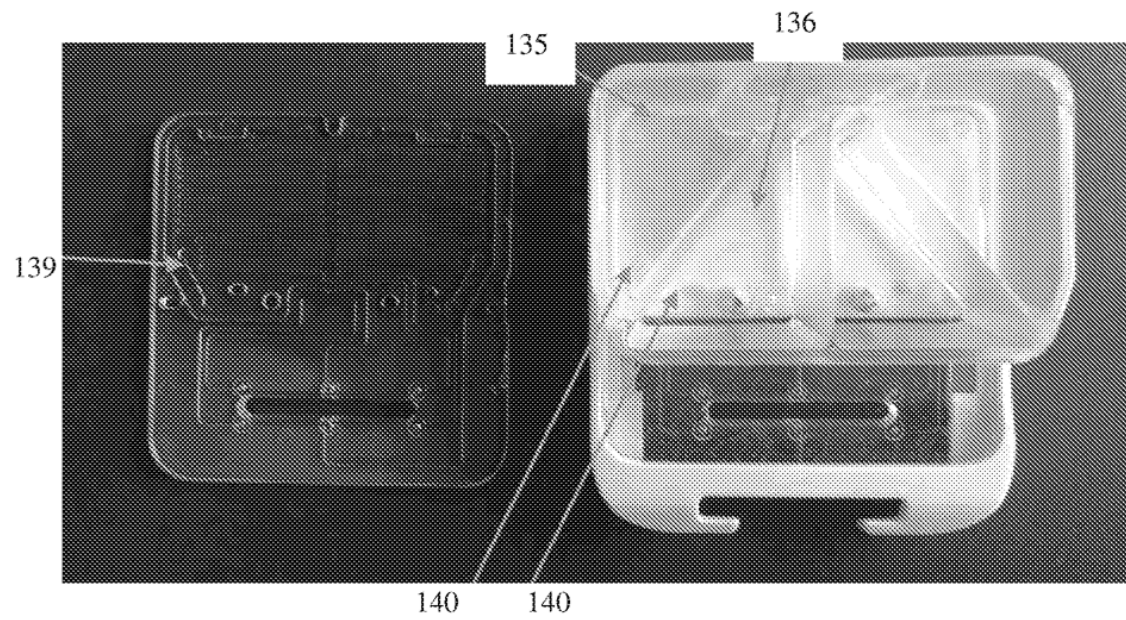
FIGURE 46D**FIG. 46E**

Fig. 47A-B

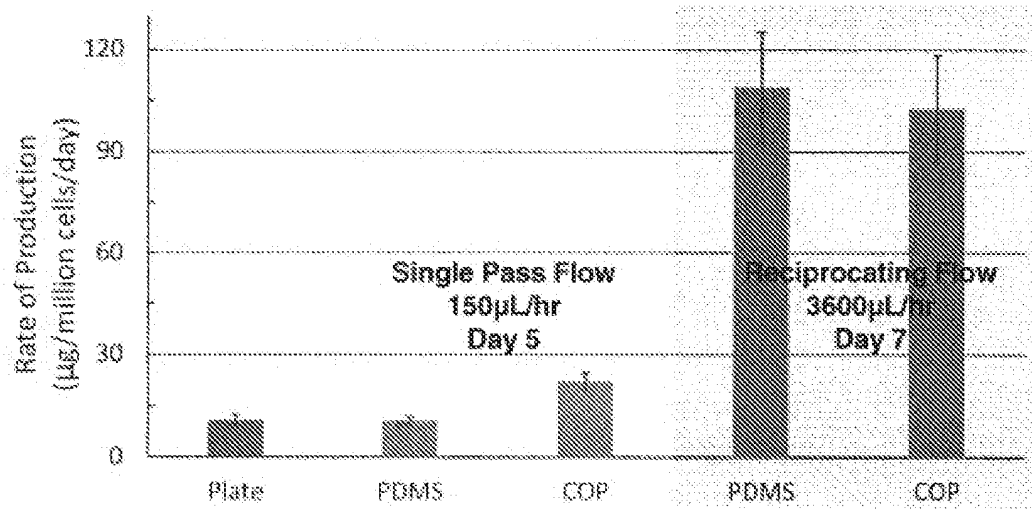


Fig. 47A

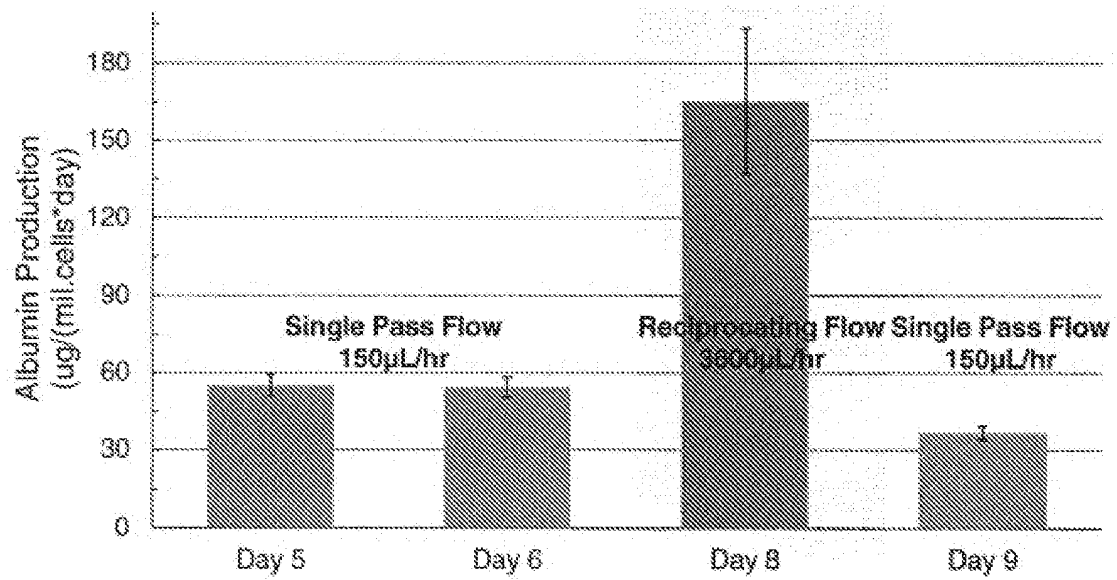


Fig. 47B

Fig. 47C

