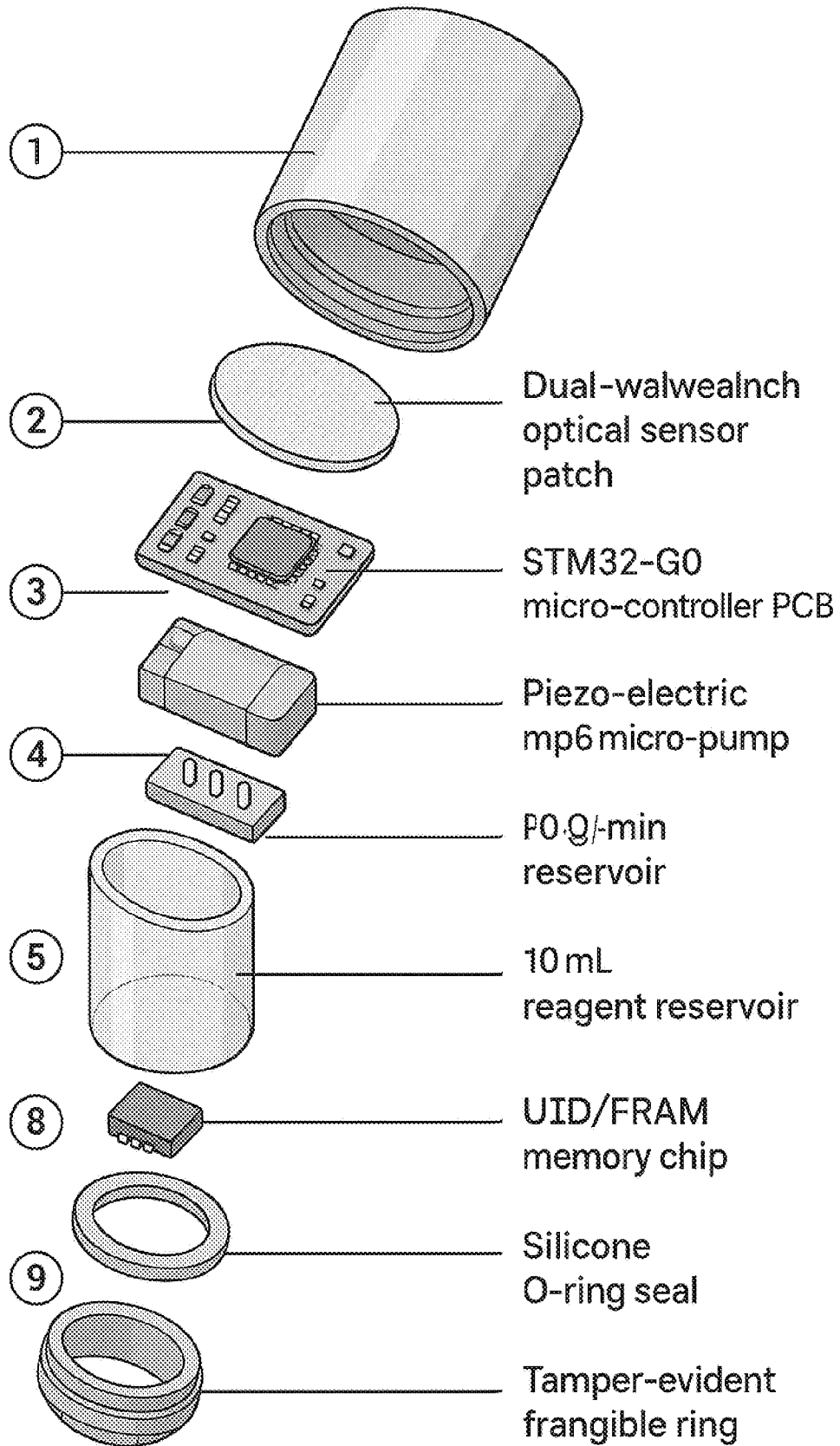
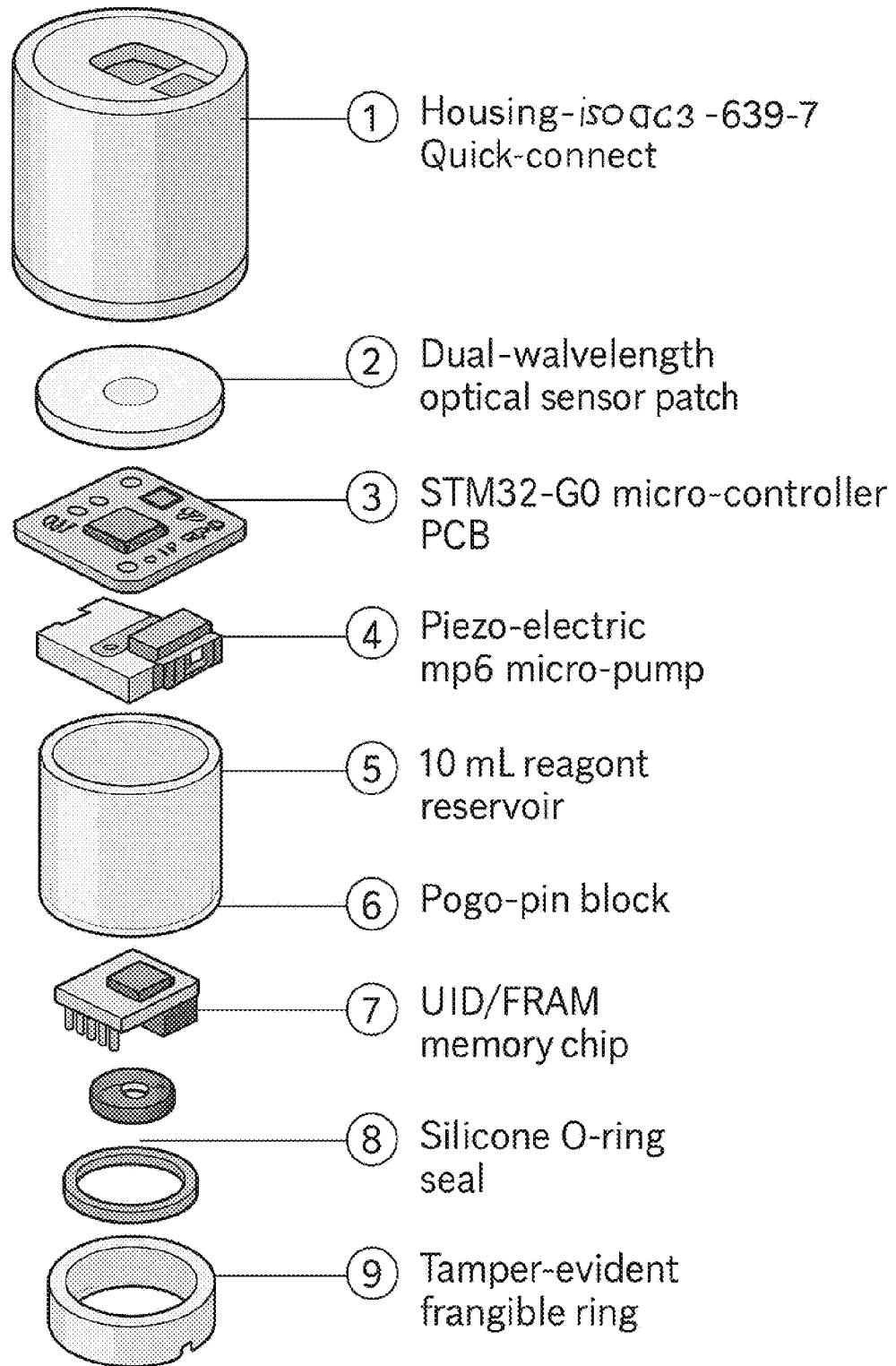
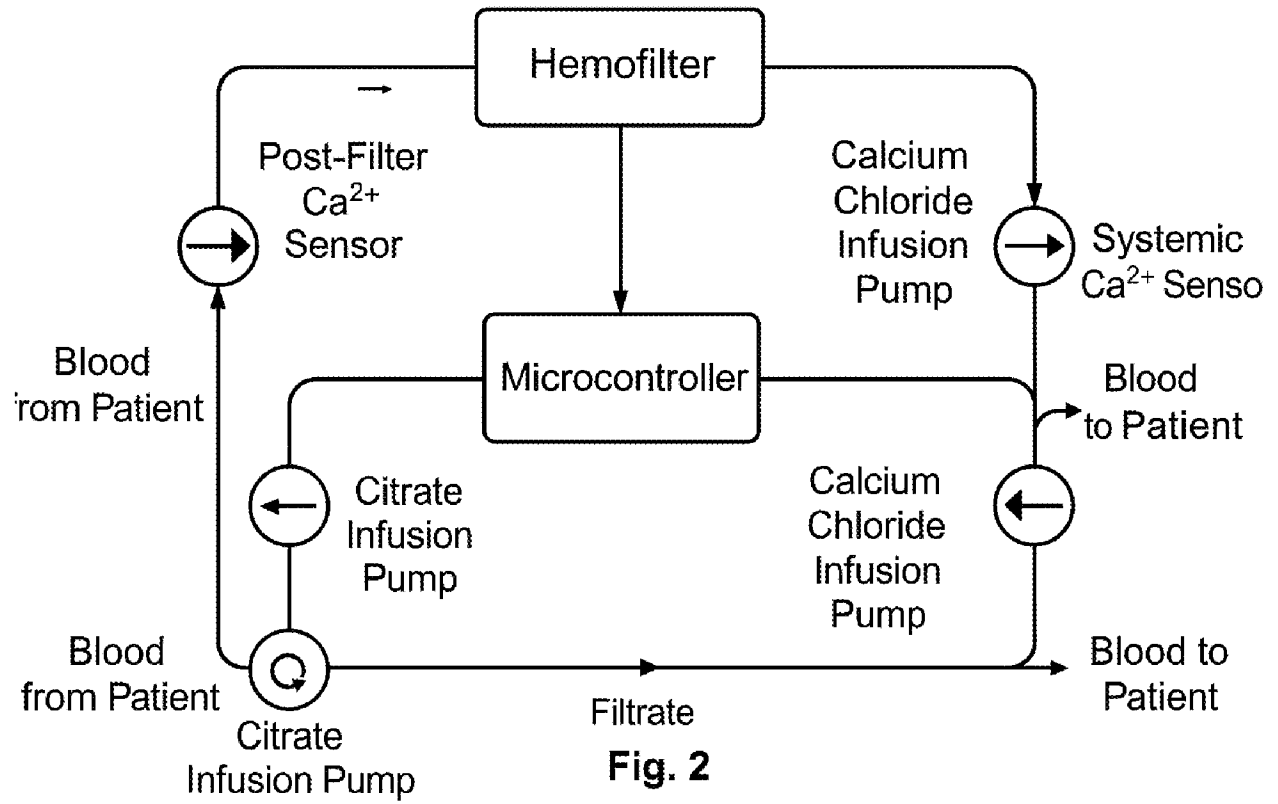


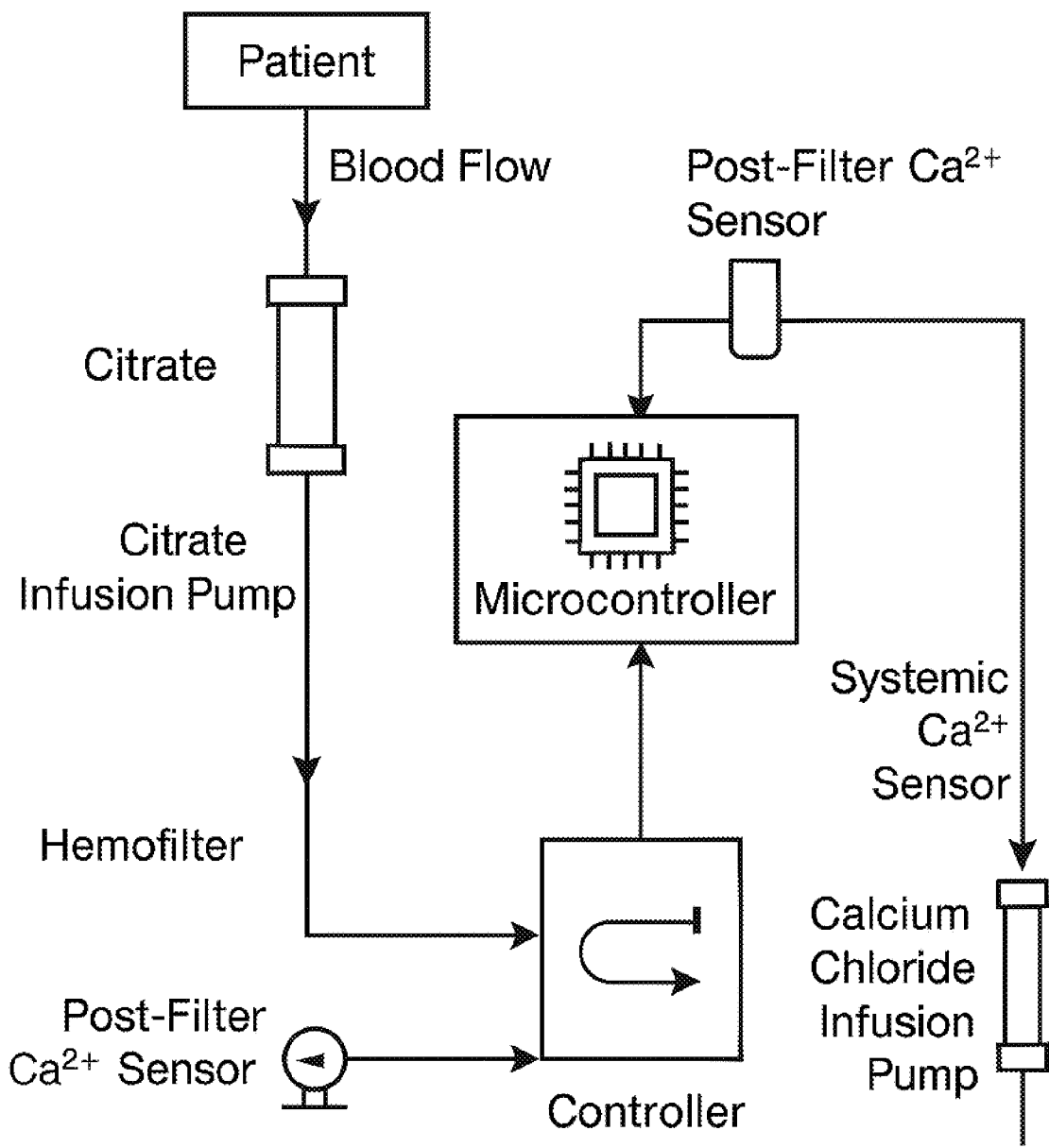
Figures:





Exploded-isometric transct cartridge





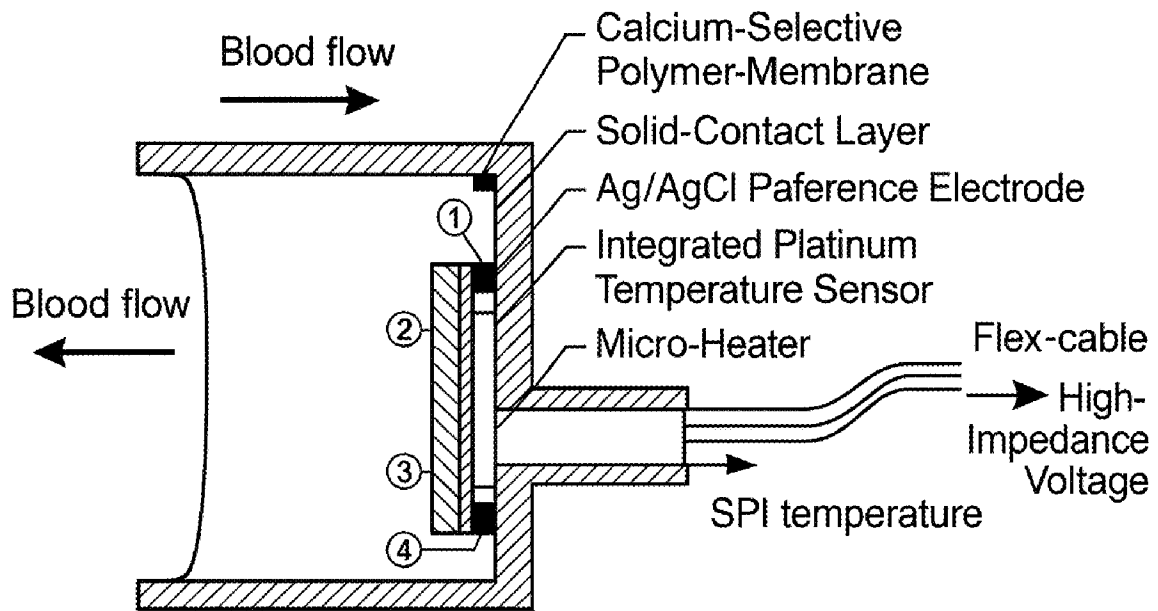
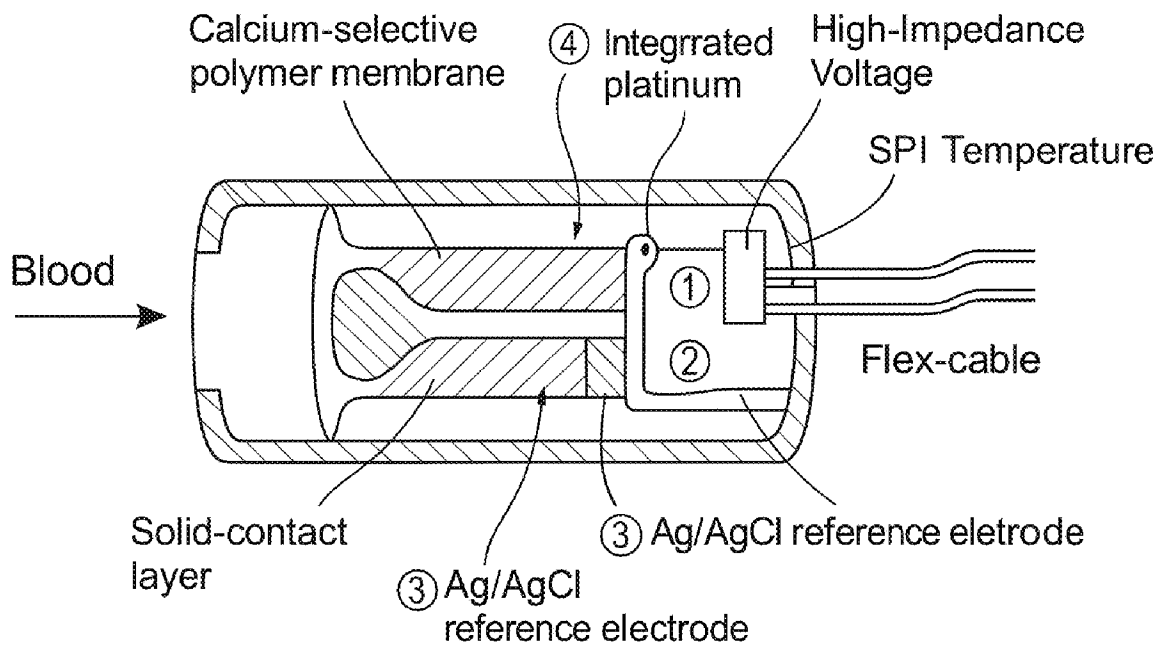
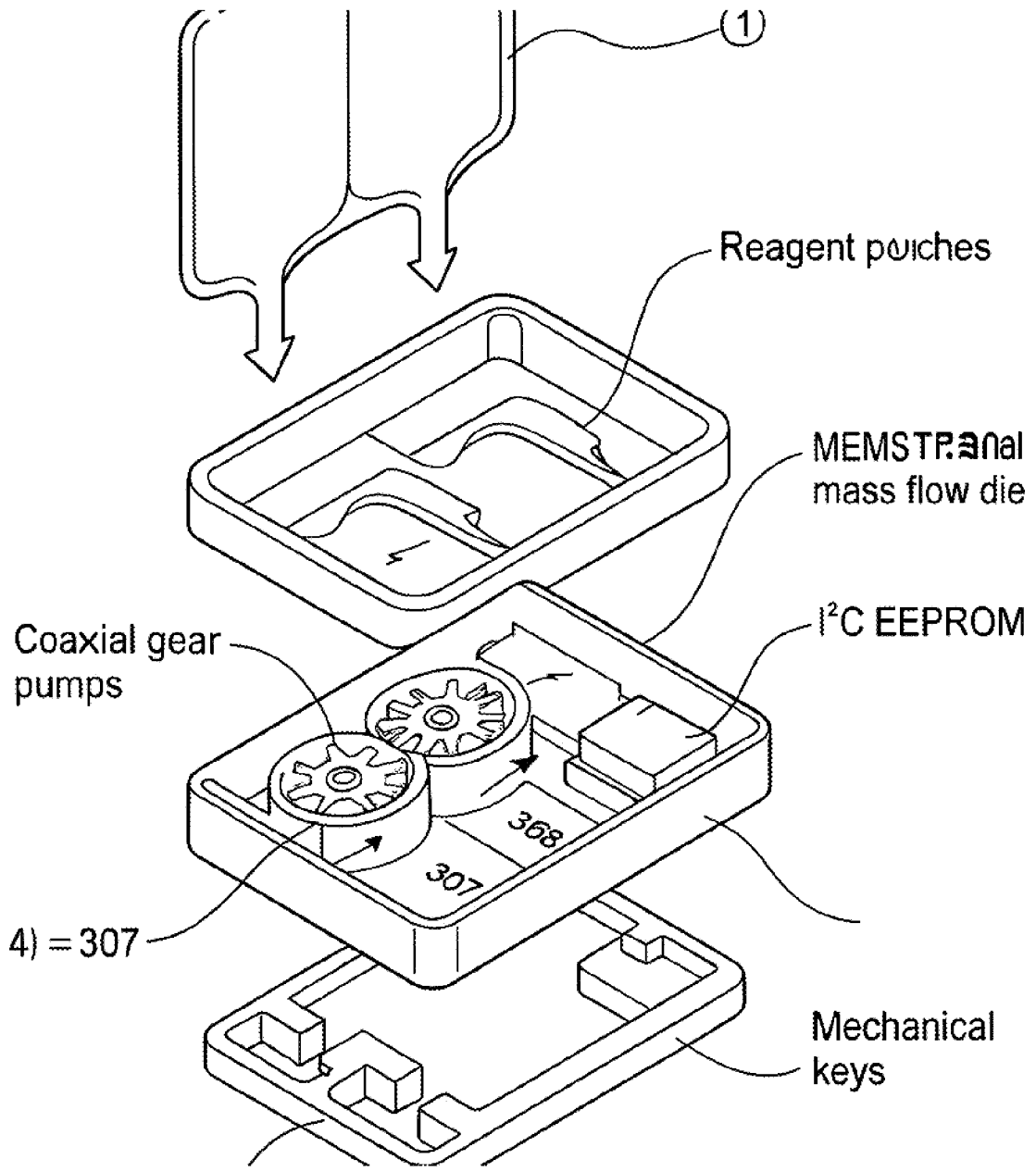


FIG. 4 – Cross-section and signal path of MEMS inline ion-selective calcium sensor (505/506)





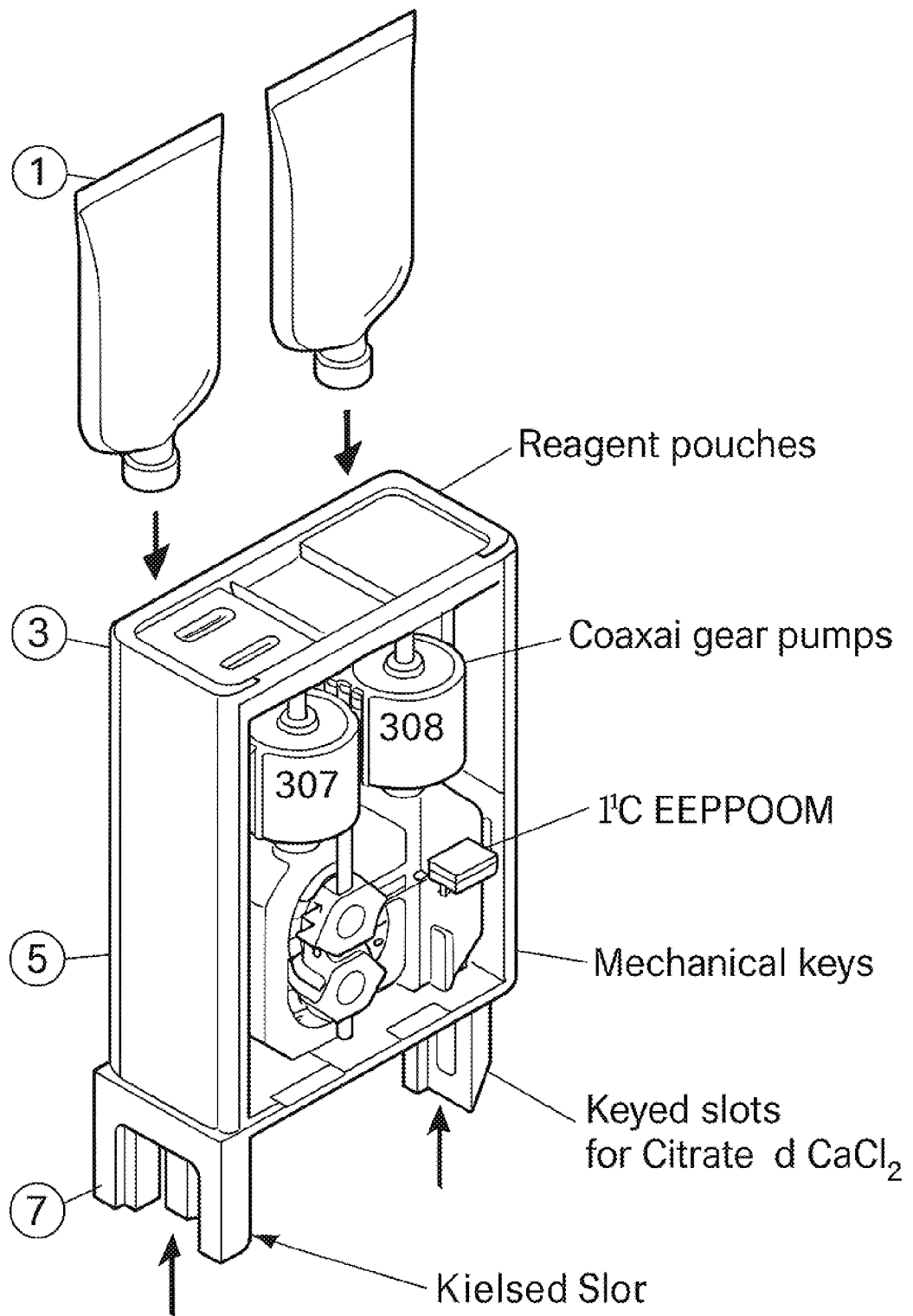


FIG. 5

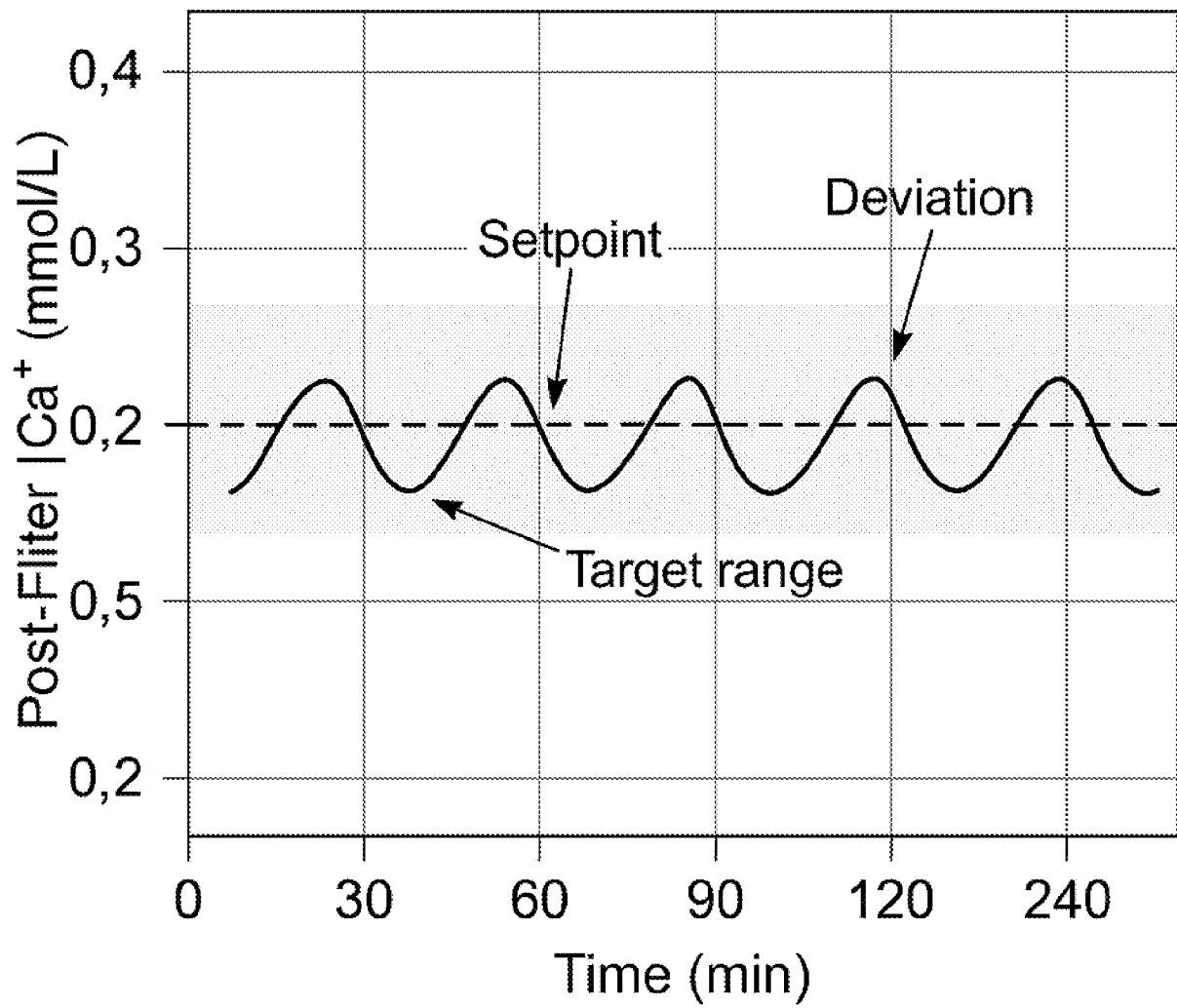


FIG. 7A

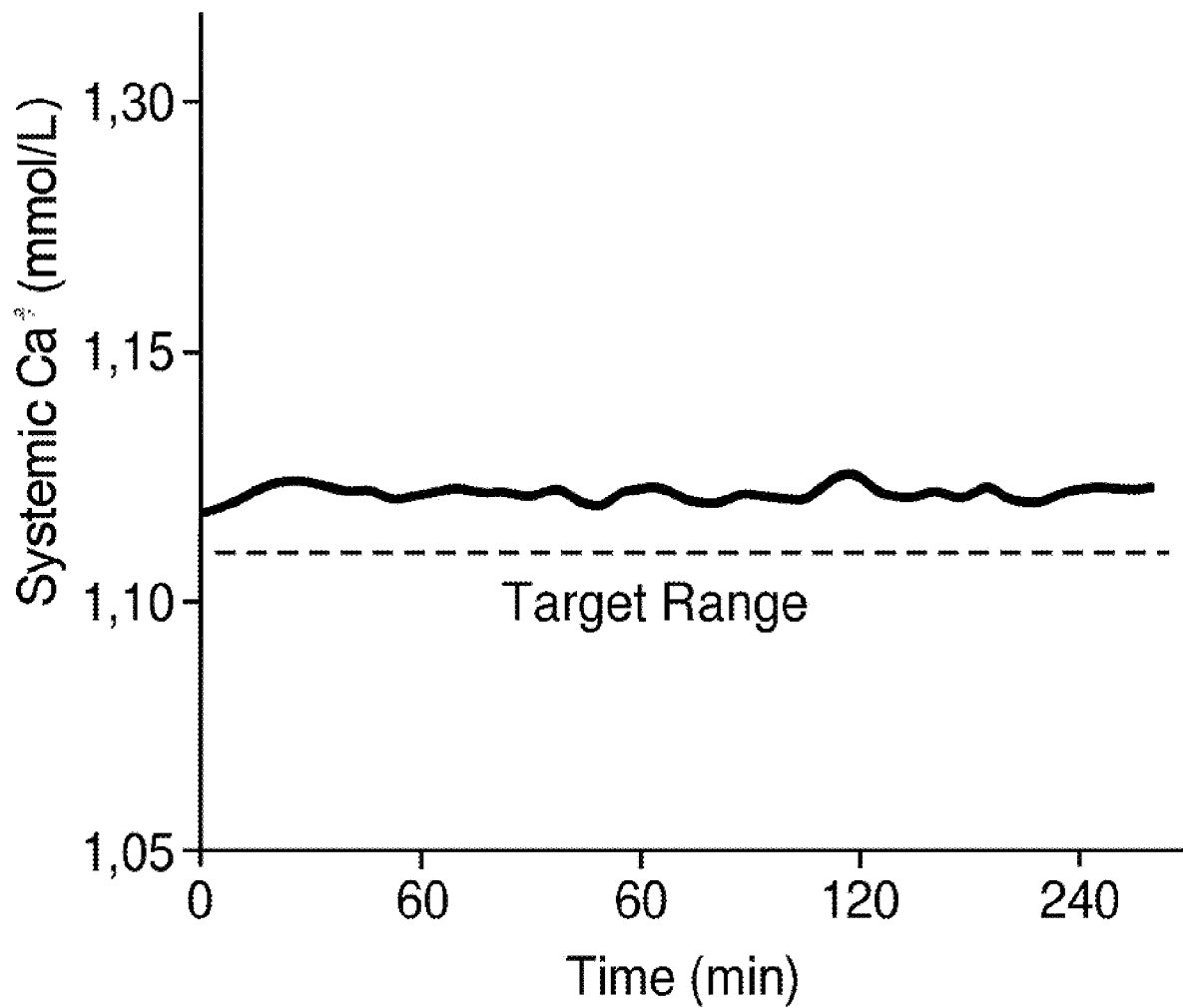
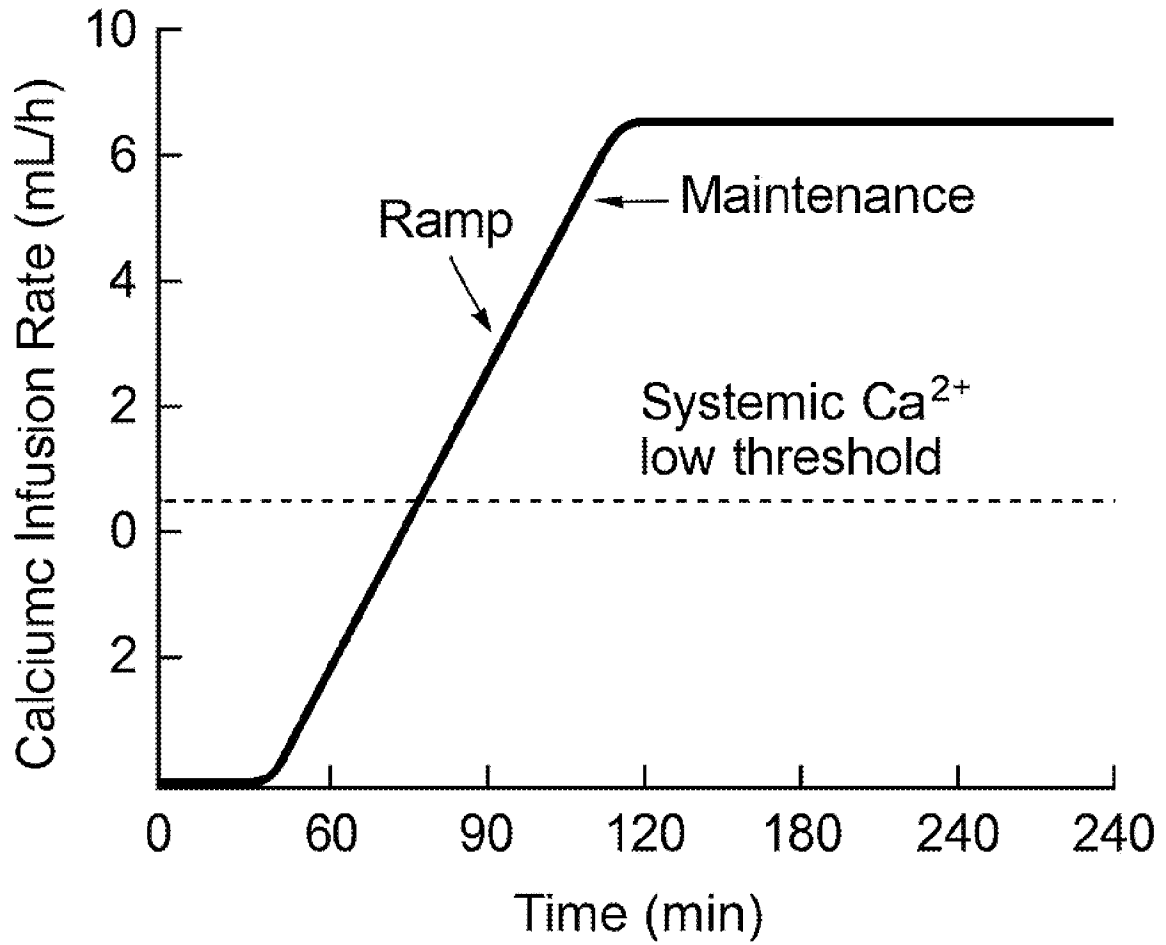
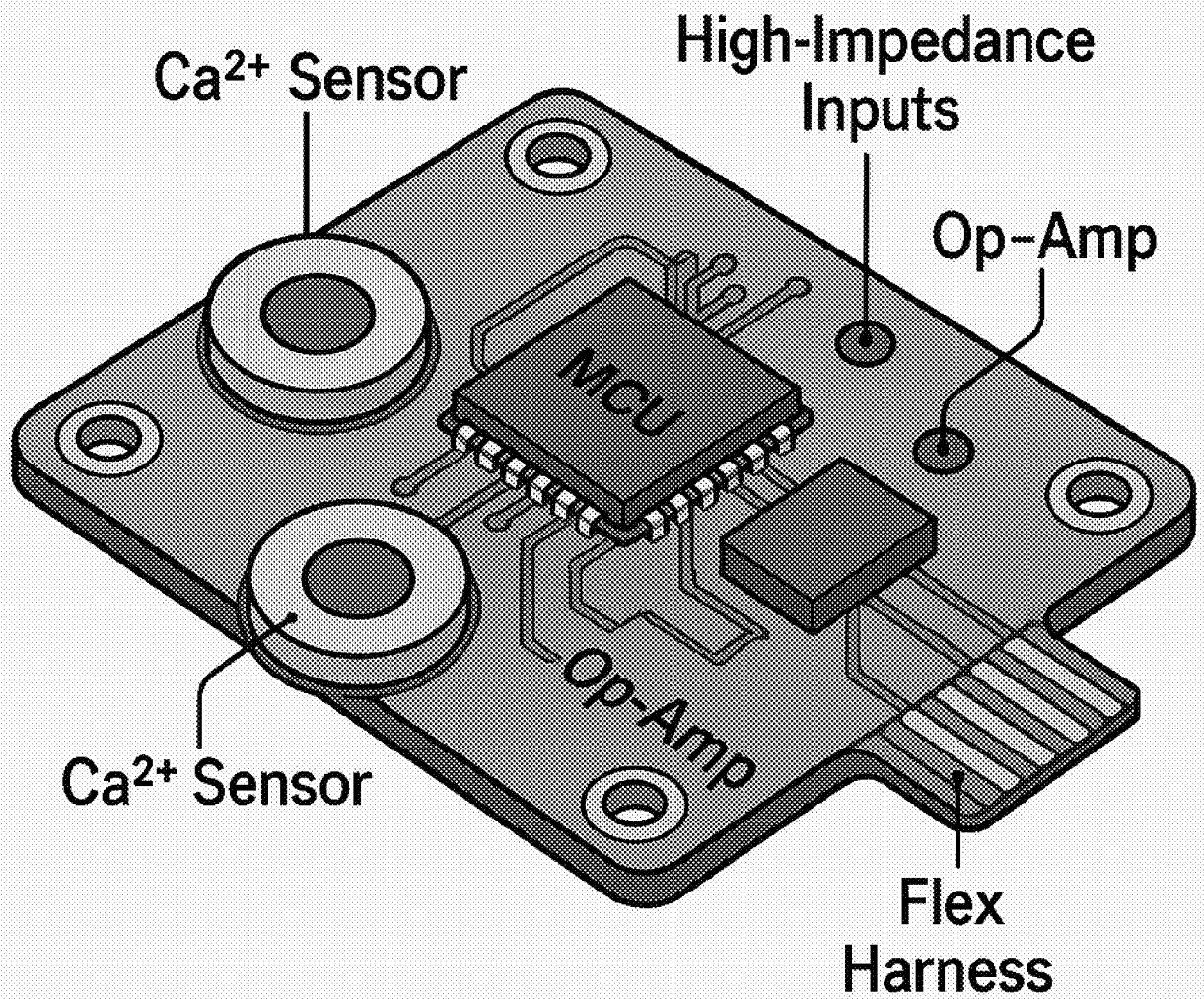


FIG. 7B

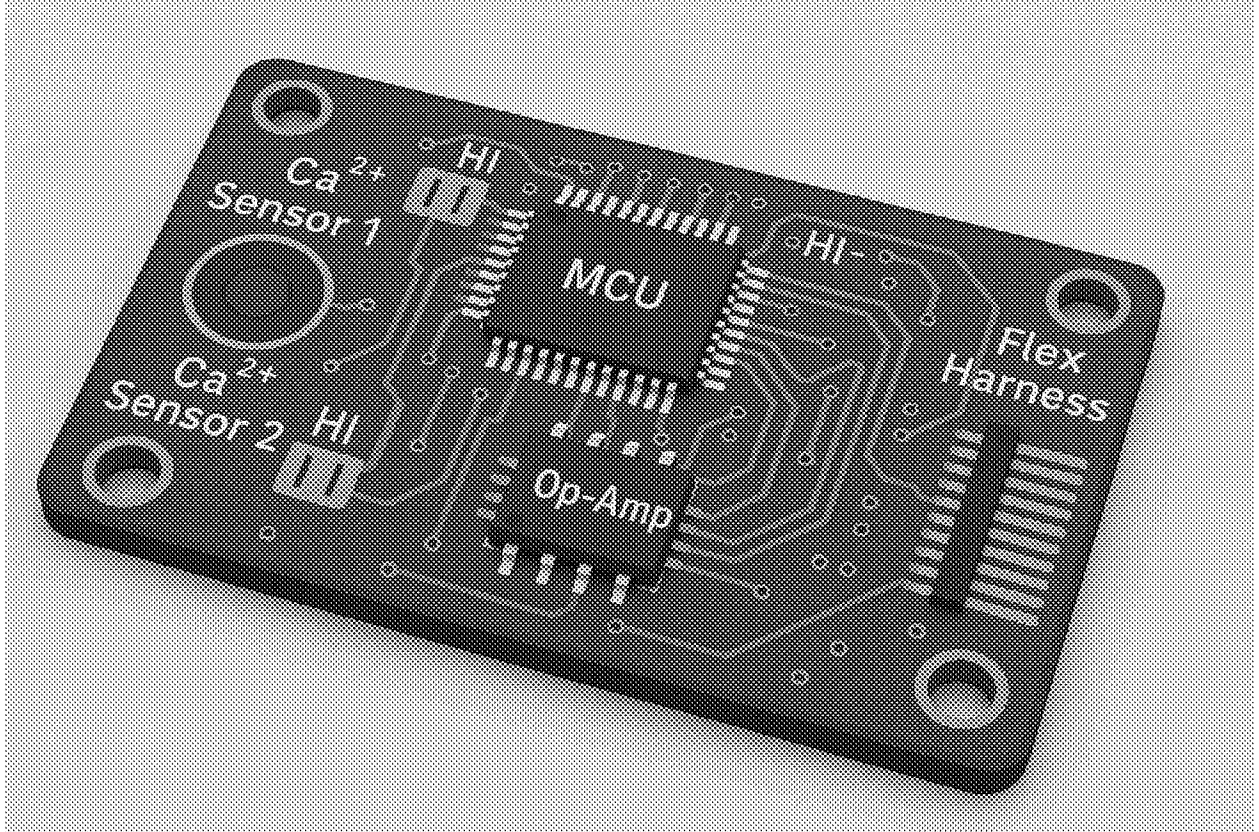
FIG. 7D

Calcium-Chloride Ramp Profile





Sensor Board Layout



7F

MP6 Micro-Pump

