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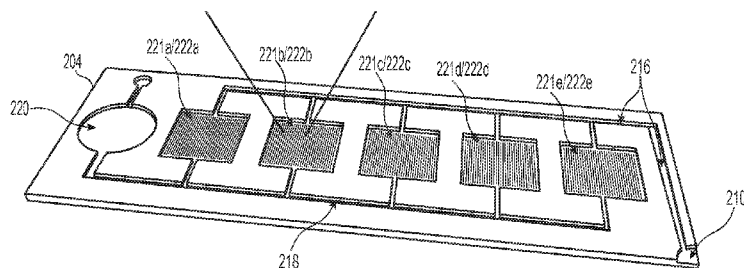


FIG. 2A

(57) Abstract: The present technology relates generally to fluidics devices for measuring platelet coagulation and associated systems and methods. In some embodiments, a fluidics device includes an array of microstructures including pairs of generally rigid blocks and generally flexible posts. The fluidics device further includes at least one fluid channel configured to accept the array. The fluidics device can further include a measuring element configured to measure a degree of deflection of one or more of the flexible posts in the array. In some embodiments, the fluidics device comprises a handheld device and usable for point of care testing of platelet forces and coagulation.