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(54) Title: MICRO-CAVITY-BASED FORCE SENSOR

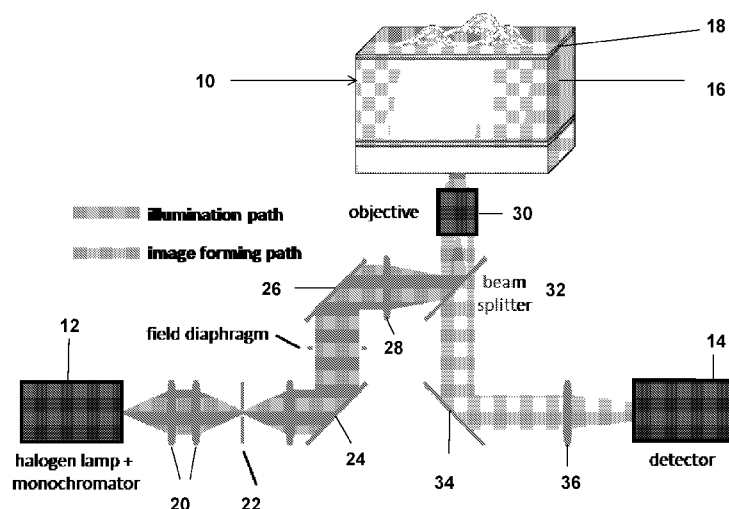


Figure 2

(57) Abstract: A system for measuring cellular forces exerted on a surface comprising: a deformable sensor that has a deformable surface adapted to deform on application of a cellular force, and an optical detector for optically detecting deformation of the surface.