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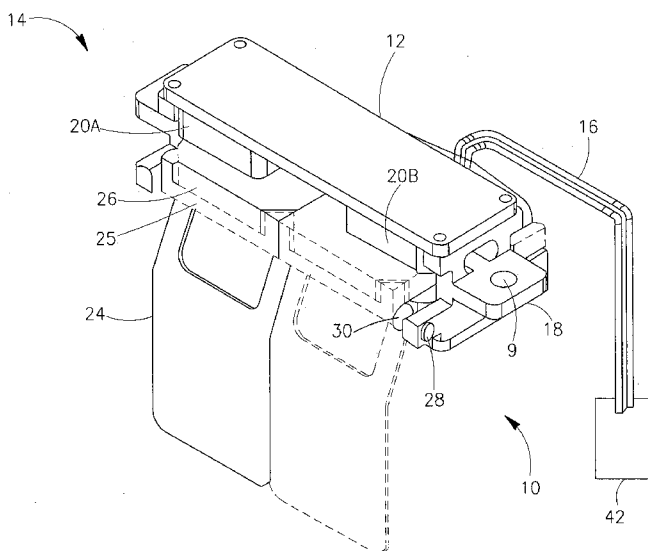


FIG. 1

(57) Abstract: A shutter mechanism for an optical system includes a linear track having a first end and a second end, a first magnetic assembly located adjacent the first end of the track and a second magnetic assembly located adjacent the second end of the track, the two magnetic assemblies arranged in opposite polarities. A shutter plate is provided coupled to a coil mounted on and movable across the track. When a direct electric current is passed through the coil in one direction the shutter is forced to move to the first end of the track, whereas when a direct electric current is passed through the coil in an opposite direction the shutter is forced to move to the second end of the track.

WO 2008/120195 A1