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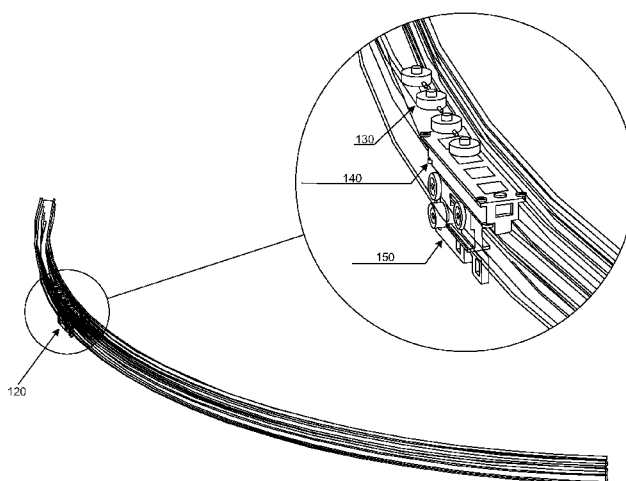


FIG. 1

(57) Abstract: Systems and methods for a motor-driven curtain or blind assembly are provided. For example, in some embodiments the motor drive assembly includes a track, a lead runner, and a plurality of sensors. The track can have a plurality of coils that can be electrically activated to generate an electromagnetic field to cause the lead runner to slide along the track. The lead runner may include magnet housing with a magnet to interact with the electromagnetic field. In some embodiments, the plurality of sensors or switches can be disposed between the coils. The sensors can be configured to activate the electromagnetic field locally to cause the lead runner to slide along the track. Examples of the sensors or switches include, but are not limited to, a reed switch, a silicone magnetic switch, an optical switch, a mechanical limit switch, a proximity switch, a magnetic encoder, or an optical encoder.

