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(54) **PHOTOVOLTAIC FILM SYSTEM**

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ABSTRACT

The system may comprise a controller configured to control one or more motors; a plurality of motors, wherein each of the plurality of motors are configured to adjust a photovoltaic (PV) film system and a window shade system; a geared interface configured to interface the PV film system and the window shade system; the PV film system may be configured to generate solar power for the controller; and a storage device that interfaces with the controller. The coupler for a PV film system may comprise a first wire that interfaces with the PV film; a rotating portion of a slip ring that interfaces with the first wire; a non-rotating portion of the slip ring that interfaces with a second wire; the second wire exiting the coupler; and an outside surface of the coupler that receives a tube, wherein the tube interfaces with the PV film.

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