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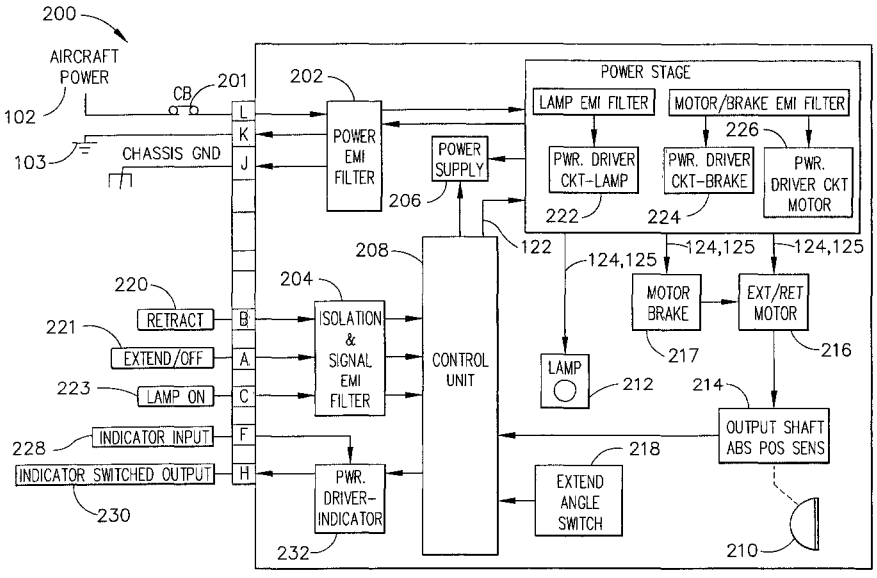
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(54) Title: EFFICIENT SOLID STATE SWITCHING AND CONTROL SYSTEM FOR RETRACTABLE AIRCRAFT LANDING LIGHTS




(57) Abstract: A solid state control switching and control system (200) for retractable landing lights. A control unit (208) uses an absolute position sensor (214) to monitor the position of the lighthead (210) of the retractable landing light, and actuates a motor (216), brake (217), and lamp (212) in response to command signals (220, 221, 223) from the flight crew. Actuation of the motor (216), brake (217), and lamp (212) with solid state switches (100) is gradual and synchronized to minimize electromagnetic interference and extend component life.

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