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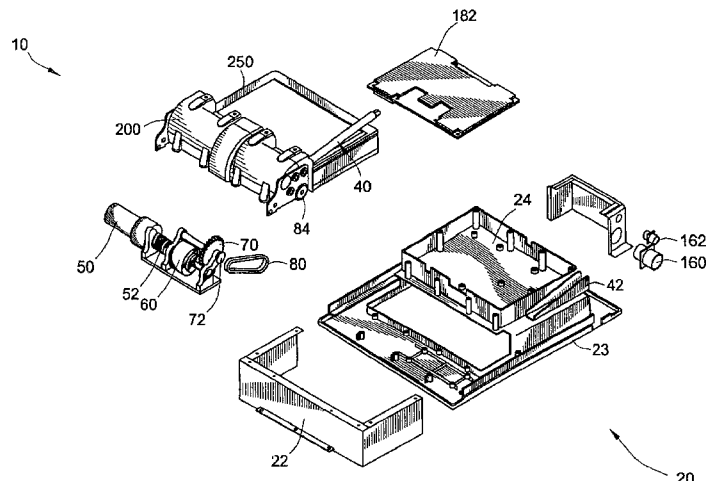
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(54) Title: DISPLAY RETRACT MECHANISM



(57) Abstract: A display retract mechanism (10) for moving a display between a retracted position and a deployed position is disclosed and explained. The display retract mechanism (10) is useful, for example, in mounting a liquid crystal display within the cabin of a passenger vehicle, such as an aircraft or bus. A geared chain drive (80) supplies torque necessary for rotating a pivot shaft on which the display is attached. The display is biased toward a retracted position by a gas spring with a substantially linear force curve between the retracted position and the deployed position. Also disclosed are an infrared sensor (400) for detecting when the display is in the deployed position, a solenoid latch (134) for holding the display in the retracted position, and an electromechanical clutch (60) for maintaining the display in a particular position.

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