

ABSTRACT

ACTUATED SUPPORT PLATFORM FOR VIDEO SYSTEM

An actuated support frame (10) for transmitting motion to a seat with respect to a ground as a function of motion signals associated with video output, comprises a frame (12,12',12'',112). The frame (12,12',12'',112) is expandable/retractable along translational degrees of freedom. Support surfaces (23,23') are provided on the frame (12,12',12'',112). The support surfaces (23,23') are displaceable with respect to one another by expansion/retraction of the frame (12,12',12'',112) so as to be sized to support a seat (A). Actuators (41) are provided between the frame (12,12',12'',112) and the ground. The actuators (41) receive signals and selectively displace the frame (12,12',12'',112) with respect to the ground in synchronization with a video output, whereby a seat (A) supported on the frame (12,12',12'',112) is displaceable within the frame (12,12',12'',112). A method for installing a seating system of a motion simulator system is also provided.

Fig. 6



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