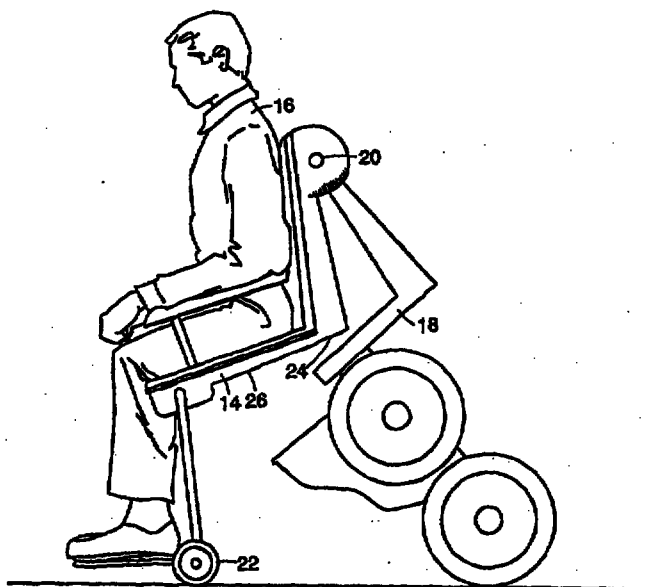




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(54) Title: SAFETY SEPARATION SYSTEM ☒

(57) Abstract

A safety mechanism for a personal vehicle that provides for separation of the motion of a body support from a ground contacting assembly of the vehicle in case of accident. In one embodiment, the body support is attached to the ground contacting module via a slide mechanism that permits the body support to continue upright motion despite overturning of the ground contacting assembly in order to prevent injury to the passenger. Another embodiment provides for coupling of the body support or the ground contacting assembly via either a real or virtual pivot located above the respective centers of mass of the body support and ground contacting assembly.