A SUSPENSION ARRANGEMENT FOR DOOR PANELS

ABSTRACT

A suspension arrangement 14 for a slidable and vertically pivotal door panel is disclosed. The suspension arrangement 14 includes a support guide 16 mountable overhead the door panel. The support guide 16 includes an elongated channel member including a longitudinal top wall, two horizontally transversely spaced opposing sidewalls, and two longitudinally extending bottom wall portions. The two bottom wall portions 86, 88 form two running track support surfaces and the longitudinal top wall defines two opposing further running track guide surfaces 90, 92. The suspension arrangement 14 includes a trolley 94 having two rotary elements 98, 100 for running along the said two bottom wall portions 86, 88 to support the trolley 94 on the support guide 16. The trolley 94 includes two other rotary elements 102, 104 for cooperating with the running track guide surfaces 90, 92 formed by the top wall that assist the trolley 94 to undergo a smooth sliding displacement along the support guide 16. In particular it resists the trolley 94 from jumping on the guide 16 also from jamming in a single position.

FIGURE 2