

ABSTRACT

Roller Shutter

A roller shutter (400, 500, 600, 700) is disclosed as including a chamber (406, 506, 650, 750) with an opening (450, 508, 652, 752), a roller curtain (402, 502, 608, 702, 800, 802) movable between a retracted configuration in which the roller curtain is substantially fully contained within the chamber and an extended configuration in which at least part of the roller curtain extends beyond the chamber through the opening, and at least one guide rail (408, 522, 602, 732) along and relative to which the roller curtain is movable between the retracted configuration and the extended configuration, the roller curtain including a plurality of slat members (404, 504, 611, 704, 804, 810) interlocked with each other for relative pivotal movement, the plurality of slat members collectively forming a first major surface and an opposite second major surface, and a first layer of fire-resistant and/or heat-resistant fabric (410, 524, 612, 706, 806) fixedly mounted to the first major surface of the plurality of slat members and a second layer of fire-resistant and/or heat-resistant fabric (410, 524, 612, 708, 806) fixedly mounted to the second major surface of the plurality of slat members, and the guide rail including at least a sealing member (412, 526, 614) which, when the roller curtain is in the extended configuration, contacts or presses into the first layer of fire-resistant and/or heat-resistant fabric to form a seal which prevents or at least hinders the passage of smoke there-through.

[Fig. 29]