

Title (en)
RETAINING DEVICE FOR A DOOR CLOSURE SYSTEM

Title (de)
HALTEVORRICHTUNG FÜR EIN TÜRVERSCHLUSSSYSTEM

Title (fr)
DISPOSITIF DE RETENUE DE FERMETURE DE PORTES

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Application
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Abstract (en)
The invention relates to a retaining device which is intended to slow-down the closing of a door that has been left open. The invention is characterised in that the device comprises an oil-hydraulic cylinder (1), the rear end of which is articulated with a support (8) that is solidly connected to a vertical section (7) whereat the door (11) is connected using hinges (6). In addition, an end section of a rod (2) is equipped with an end piece (9) that is articulated with another support (10) which is fixed to the door (11), The invention also comprises at least one communication conduit between the two chambers (14 and 15) of the cylinder (1) and means for regulating the passage of fluid essentially from the front chamber (14) to the rear chamber (15) as the door closes. The rear chamber houses a main spring which compresses when the door is opened, such as to build up tension that is released as the door closes.

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Cited by
US8793838B2; US8938912B2; US9482041B2; US9574385B2; US10385601B2

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