

Title (en)
SEALED ROLLER SHUTTER AND FLOOD PROTECTION METHOD

Title (de)
DICHTER ROLLLADEN UND ÜBERSCHWEMMUNGSSCHUTZVERFAHREN

Title (fr)
VOLET ROULANT ÉTANCHE ET PROCÉDÉ DE PROTECTION CONTRE LES INONDATIONS

Publication
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Application
EP 18800238 A 20181009

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• FR 2018052503 W 20181009

Abstract (en)
[origin: WO2019073168A1] The present invention relates to a flood protection assembly for a building, comprising detection means for detecting the occurrence of a flood before flood-related fluids (water, sludge, etc.) enter a safety zone outside the building, the detection means being configured to transmit detection signals to a central unit connected to at least one protection device protecting an opening in a wall of the building, the central unit being configured to trigger the deployment of each protection device of the building when the approach of the fluids is detected so as to stop and prevent said fluids from passing through each corresponding opening, each protection device comprising: a pair of guides to be attached to the wall to extend vertically, or substantially vertically, on each side of the corresponding opening, a sealed roller shutter housed in a box intended to be placed above the opening, the roller shutter comprising a shutter body which is at least inflatable on the side edges thereof and which can be wound around and unwound from a drum positioned in the box, a drive unit for driving the roller shutter about the drum, means for generating a fluid intended to pressurise the inflatable portion of the roller shutter so that, the latter being engaged in the pair of guides and pressurised, the side edges thereof are pressed into the guides to provide a seal against the fluids, and a control unit which can receive control signals from the central unit and which is connected to the drive unit and the fluid-generating means so as to trigger the protection device.

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• EP 1018591 B1 20051102 - MORGENTHAL ROGER [DE]
• EP 1028219 B1 20031203 - SCHNEIDER JOHANN [DE], et al

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