

Title (en)

Automatic auto-sensing flood protection roller shutter with auto-locating reinforced column

Title (de)

Automatischer Hochwasserschutzrolladen mit einer automatischen Sensorvorrichtung und mit einer verstärkten Säule, deren Position automatisch lokalisiert wird

Title (fr)

Volant roulant de protection contre les inondations à détection automatique avec colonne renforcée à localisation automatique

Publication

**EP 2806095 A1 20141126 (EN)**

Application

**EP 13195382 A 20131202**

Priority

TW 102118322 A 20130524

Abstract (en)

The invention provides an automatic auto-sensing flood protection roller shutter with auto-locating reinforced column, including a door plate, which is composed of a plurality of door panels, which may be disposed in between two frames or contained in a storage device; a casing, which is provided on the top of the door plate and the interior thereof is provided with a motor, a hydraulic pump, an automatic controller, an uninterruptible power system, a storage device, a downward-pressing hydraulic cylinder and a driving device; two frames mounted on two sides of the door plate to dispose a plurality of said door panels; a storage device; a downward-pressing hydraulic cylinder; a sideward-pressing hydraulic cylinder; a water level detector; a reinforced column, which is provided behind the door plate, and a vertical motor provided at the upper end thereof and another horizontal motor provided in the driving device being provided to drive for transverse movement, and the inner chamber at the lower end of the reinforced column being provided with a bolt and a vertical motor; and a driving device.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- TW 483478 B
- US 6737968 B1 20040518 - ERGUN JOSEPH J [US], et al

Citation (search report)

- [XA] GB 2481268 A 20111221 - TSENG LUNG-YUAN [TW], et al
- [A] GB 2477365 A 20110803 - MORTIMER-JONES GEOFFREY CHARLES [GB]
- [A] BE 1020157 A3 20130507 - TARGET PLUS [BE]
- [A] FR 2007661 A1 19700109 - BERENBRINKER ANDREAS, et al

Cited by

DE102016113086B4; CN106697509A; CN109339674A; CN109138801A; CN105239878A; CN105298290A; CN107916885A; CN107204574A; CN108374630A; CN106639826A; CN115405216A; CN105332590A; DE102016122539A1; CN105298285A; CN114458141A; CN110145057A; FR3094393A1; CN114687656A; CN106351175A; CN107117380A; CN107795163A; CN105298284A; CN108193978A; CN114320110A; DE102016113086A1; CN109703401A; CN113605308A; TWI656277B; DE102015100619A1; EP3095937A1

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**EP 13195382 A 20131202**; JP 2013180394 A 20130830; TW 102118322 A 20130524