

Title (en)

DEVICE FOR BRAKING THE ROTATION OF A DRIVE SHAFT OF THE LEAF OF A HIGH-SPEED DOOR

Title (de)

VORRICHTUNG ZUM BREMSSEN DER DREHUNG DER ANTRIEBSWELLE EINES BLATTES EINER HOCHGESCHWINDIGKEITSTÜR

Title (fr)

DISPOSITIF DE FREINAGE DE LA ROTATION D'UN ARBRE D'ENTRAÎNEMENT DU TABLIER D'UNE PORTE RAPIDE

Publication

EP 1844210 A1 20071017 (FR)

Application

EP 06709229 A 20060202

Priority

- FR 2006000237 W 20060202
- FR 0501036 A 20050202
- FR 0501628 A 20050217

Abstract (en)

[origin: WO2006082319A1] The invention relates to a device for braking the rotation of a drive shaft of the leaf of a high-speed door. The inventive device consists of a flange (17) which is rotated by a shaft comprising several cavities (19), each of said cavities being equipped with a wall which supports a flyweight (18) in the operating condition and which is inclined in relation to the axis of rotation of the flange by an angle of less than 90°. Moreover, each cavity comprises a proximal end which is located close to the axis of rotation of the flange and a distal end which is located at a distance from said axis of rotation. According to the invention, each flyweight (18) moves in a cavity between a position whereby the shaft operates at normal speed, in which the flyweight is disposed in a zone comprising the proximal end of the cavity (19), and a position whereby the operating speed of the shaft (4) exceeds a pre-determined threshold, in which the flyweight (18) is disposed in a zone comprising the distal end of the cavity and actuates means for braking the rotation of the shaft.

IPC 8 full level

E06B 9/84 (2006.01); **F16D 59/00** (2006.01)

CPC (source: EP US)

E06B 9/84 (2013.01 - EP US); **E05Y 2201/21** (2013.01 - EP US); **E05Y 2201/242** (2013.01 - EP US); **E05Y 2201/26** (2013.01 - EP US); **E05Y 2201/266** (2013.01 - EP US)

Citation (search report)

See references of WO 2006082319A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006082319 A1 20060810; EP 1844210 A1 20071017; EP 1844210 B1 20150107; US 2008134582 A1 20080612

DOCDB simple family (application)

FR 2006000237 W 20060202; EP 06709229 A 20060202; US 81539906 A 20060202