

Title (en)

DOOR CLOSING MECHANISM BEARING A SYSTEM PROVIDING LATCHING ACTIVATION CONTROL AT ANY POSITION RANGING FROM 12 TO 0 DEGREES AND A SHAFT TIGHTENING ONTO THE CAM SYSTEM

Title (de)

TÜRSCHLIESSER UMFASSEND EINEN LATCHSTEUERUNG MIT EINER AN JEDER BELIEBIGEN POSITION IM BEREICH VON 12 BIS 0 GRAD AKTIVIERUNG UND EINE MIT DEM NOCKENSYSTEM BEFESTIGTE WELLE

Title (fr)

FERME-PORTE COMPRENANT UN SYSTEME DE CONTRÔLE D'ACTIVATION D'À-COUP À LA FERMETURE À UNE POSITION QUELCONQUE ENTRE 12 ET 0 DEGRÉS ET UNE FIXATION D'ARBRE SUR LE SYSTÈME DE CAME

Publication

EP 2852726 A1 20150401 (EN)

Application

EP 12727923 A 20120511

Priority

GR 2012000019 W 20120511

Abstract (en)

[origin: WO2013167915A1] The door closing mechanism, bears a latching control system consisting of a round plate (38) with a specially designed circular groove (39) of uneven depth engraved in its internal surface, a safety valve (52) bearing a tension regulating screw (43), a spring (42), an oil safety ball (41), a pressure relief shaft (40) and a spring safety pin (47), characterized in that, it is being capable of defining and fixing of latching activation at any degree appropriate within the arc ranging from 12° to 0°, by means of the uneven depth of said circular groove (39). It also bears a shaft tightening onto the cam system consisting of a shaft- carrier (9) in combination with a conical pin (45), a tightening screw -morso- (46), a six-gear splined shaft (3) and a cam (15) bearing integrated upper and lower heart shaped configurations (14), as well as a special peripheral configuration, characterized in that, it is capable of providing effective tightening shaft onto the cam, as well as, door parking past the $\pm 90^\circ$ and rotating up to 360°.

IPC 8 full level

E05F 3/10 (2006.01); **E05D 3/08** (2006.01); **E05D 5/02** (2006.01); **E05F 3/12** (2006.01); **E05F 3/22** (2006.01); **E05D 15/54** (2006.01)

CPC (source: EP)

E05F 3/104 (2013.01); **E05F 3/12** (2013.01); **E05D 5/0246** (2013.01); **E05D 15/54** (2013.01); **E05F 3/223** (2013.01); **E05Y 2201/638** (2013.01); **E05Y 2201/706** (2013.01); **E05Y 2600/502** (2013.01)

Citation (search report)

See references of WO 2013167915A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013167915 A1 20131114; EP 2852726 A1 20150401; EP 2852726 B1 20180704

DOCDB simple family (application)

GR 2012000019 W 20120511; EP 12727923 A 20120511