

Title (en)

HINGE FOR CONTROLLING INCLINED DOORS OR DOOR-LEAVES

Title (de)

SCHARNIER ZUR KONTROLLE VON GENEIGTEN TÜREN ODER TÜRBLÄTTERN

Title (fr)

CHARNIÈRE POUR LA COMMANDE DE PORTES OU DE BATTANTS DE PORTE INCLINÉS

Publication

**EP 3556980 A1 20191023 (EN)**

Application

**EP 19169402 A 20190416**

Priority

IT 201800004608 A 20180417

Abstract (en)

A control hydraulic hinge for cold stores comprising a stationary support structure () and at least one inclined door-leaf () moveable between a door-leaf open and door-leaf closed position. The hinge comprises a hinge body (); a pin () mutually coupled with the hinge body () to rotate around a first axis (); a cam element () integrally joined to the pin (); a slider () slidable along a second axis () comprising a cam follower element () interacting with the cam element (); recovery elastic means () acting on the slider () to recover the initial position. The cam follower element () has a suitable shape, so that the door-leaf () has a substantially constant opening and/or closing speed.

IPC 8 full level

**E05F 1/06** (2006.01); **E05F 1/12** (2006.01); **E05F 3/20** (2006.01)

CPC (source: EP)

**E05F 1/068** (2013.01); **E05F 1/1261** (2013.01); **E05F 3/20** (2013.01); **E05Y 2201/638** (2013.01); **E05Y 2900/31** (2013.01)

Citation (applicant)

US 2015050603 W 20150917

Citation (search report)

- [XY] WO 2012049518 A1 20120419 - CHOW CHUNG [CN]
- [XAI] GB 2525444 A 20151028 - BESTKO PREC LTD [CN]
- [Y] EP 2071993 A2 20090624 - ALTURA LEIDEN HOLDING [NL]
- [A] AU 2010100487 A4 20100708 - CHOW CHUNG [HK]

Cited by

US11261637B2

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)

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DOCDB simple family (application)

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