

Title (en)

DOOR HINGE WITH ARRESTER FOR MOTOR VEHICLE DOORS

Title (de)

TÜRSCHARNIER MIT FESTSTELLER FÜR KRAFTFAHRZEUGTÜREN

Title (fr)

CHARNIERE DE PORTE A SYSTEME DE BLOCAGE POUR PORTES D'AUTOMOBILE

Publication

EP 1664468 B1 20080820 (DE)

Application

EP 04765127 A 20040913

Priority

- EP 2004010205 W 20040913
- DE 10343587 A 20030918

Abstract (en)

[origin: WO2005033454A1] The invention relates to a door hinge with an arrester for motor vehicle doors, whereby the door hinge comprises a pillar fitting, for attaching to the motor vehicle and a door fitting, for attaching to the motor vehicle door. The door fitting is rotatably connected to the pillar fitting, by means of a hinge pin which is fixed in one fitting and which may rotate in the other fitting and the arrester comprises a catch body support, fixed to the hinge pin and a catch element, arranged to rotate relative to the catch body support with the other fitting, with at least one catch notch, arranged on a surface facing the catch body support. At least one catch body, loaded by a spring element, is arranged on the catch body support, such as to be able to engage with the surface of the catch element facing the catch body support. According to the invention, a door hinge in which the spring pressure acting on the catch body is essentially the same in all opening positions may be achieved, whereby the arrester comprises at least two spring loaded catch bodies and the spring element is supported at the end on two adjacent or opposing catch bodies, arranged on the catch body support.

IPC 8 full level

E05D 11/10 (2006.01)

CPC (source: EP US)

E05D 11/1071 (2013.01 - EP US); **E05Y 2900/531** (2013.01 - EP US)

Cited by

CN106522710A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005033454 A1 20050414; AT E405720 T1 20080915; DE 10343587 A1 20050504; DE 10343587 B4 20050901; DE 502004007912 D1 20081002; EP 1664468 A1 20060607; EP 1664468 B1 20080820; EP 1664468 B8 20081119; ES 2311843 T3 20090216; US 2007050940 A1 20070308; US 7461432 B2 20081209; ZA 200602245 B 20080528

DOCDB simple family (application)

EP 2004010205 W 20040913; AT 04765127 T 20040913; DE 10343587 A 20030918; DE 502004007912 T 20040913; EP 04765127 A 20040913; ES 04765127 T 20040913; US 57288104 A 20040913; ZA 200602245 A 20060317