

Title (en)
ESPAGNOLET WITH ONE OR MORE SPRINGACTUTED BARS

Publication
EP 0296086 B1 19920122 (FR)

Application
EP 88440043 A 19880607

Priority
FR 8708316 A 19870611

Abstract (en)
[origin: JPS6452980A] PURPOSE: To control an occurrence of noise when a door, window or the like is closed by providing a damping means to delay the movement of an operating rod from the releasing position to the fixing position under the action of a resilient means in a lock for a door or a French window or the like. CONSTITUTION: A resilient means 9 made up of a set of coil springs 10 and 11 is provided between the horizontal portion of a connection member 7 connecting operating rods 5 and 6 and the projecting body 13 of a casing 2. A damping means 14 having a double-acting buffer that is operated by circulating a fluid through a squeezing hole or passage 16 is attached to the casing 2 and connected operatively to the rods 5 and 6. When the rods 5 and 6 are moved to the fixing position by the resilient means 9, the rods 5 and 6 drive the moving piston of the damping means 14 through the connection member 7 and reduces noise occurring from the operation of a lock 1 by damping the movement of the rods 5 and 6 by the inertia of a fluid circulating through the squeezing passage 16.

IPC 1-7
E05B 63/20

IPC 8 full level
E05C 9/18 (2006.01); **E05B 17/00** (2006.01); **E05B 63/14** (2006.01); **E05B 63/20** (2006.01); **E05C 9/02** (2006.01); **E05C 9/10** (2006.01)

CPC (source: EP KR US)
E05B 17/0041 (2013.01 - EP US); **E05C 3/00** (2013.01 - KR); **E05B 63/20** (2013.01 - EP US); **E05C 9/02** (2013.01 - EP US); **Y10T 292/0836** (2015.04 - EP US); **Y10T 292/57** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE CH DE ES GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0296086 A1 19881221; **EP 0296086 B1 19920122**; AT E72011 T1 19920215; CA 1300196 C 19920505; CN 1032211 A 19890405; DE 3867920 D1 19920305; ES 2029725 T3 19920901; FR 2616473 A1 19881216; FR 2616473 B1 19940311; JP S6452980 A 19890301; KR 890000751 A 19890316; US 4872716 A 19891010

DOCDB simple family (application)
EP 88440043 A 19880607; AT 88440043 T 19880607; CA 569228 A 19880610; CN 88103486 A 19880611; DE 3867920 T 19880607; ES 88440043 T 19880607; FR 8708316 A 19870611; JP 14280888 A 19880611; KR 880006963 A 19880610; US 20187588 A 19880603