

Title (en)

Door closer with combined valve for damping on opening and for closing speed

Title (de)

Türschliesser mit kombiniertem Ventil für die Öffnungs- und die Schliessgeschwindigkeit

Title (fr)

Ferme-porte avec valve combinée pour l'amortissement à l'ouverture et pour la vitesse de fermeture

Publication

EP 0562465 B1 19990113 (DE)

Application

EP 93104463 A 19930318

Priority

DE 9203873 U 19920323

Abstract (en)

[origin: EP0562465A1] The door closer has a fluid-damped piston (32) which is movable in a housing (21) counter to a spring force (5, 6) and which subdivides the housing (21) into two pressure spaces (10, 11). A flow channel (45) connects the two pressure spaces (10, 11). Arranged in the flow channel (45) is a valve (30) which determines both the opening damping and the closing speed of the door closer. A door closer which is simpler to produce and simpler to adjust is thereby obtained. <IMAGE>

IPC 1-7

E05F 3/10; **E05F 3/12**

IPC 8 full level

E05F 3/10 (2006.01); **E05F 3/12** (2006.01)

CPC (source: EP)

E05F 3/102 (2013.01); **E05F 3/12** (2013.01); **E05Y 2201/20** (2013.01); **E05Y 2201/232** (2013.01); **E05Y 2201/254** (2013.01); **E05Y 2201/458** (2013.01); **E05Y 2900/132** (2013.01)

Cited by

DE102011006878B4; CN100439445C; US2014157544A1; US9097051B2; EP2508702A3; DE102011006877B4; EP1672156A1; DE102013022158B3; US7815023B2; WO2004003076A1; EP2508703A2; DE102011006878A1; EP2508702A2; DE102011006877A1

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