

Title (en)  
DAMPER

Title (de)  
DÄMPFER

Title (fr)  
AMORTISSEUR

Publication  
**EP 3814595 B1 20220921 (DE)**

Application  
**EP 19730121 A 20190604**

Priority  
• DE 202018103637 U 20180626  
• EP 2019064488 W 20190604

Abstract (en)  
[origin: WO2020001936A1] The invention relates to a damper (1), in particular for fittings for furniture or household appliances, comprising a housing (2) in which, in an interior space (20), a piston (10) connected to a piston rod (5) is guided in a linearly moveable manner, wherein at least one flow channel (16) is formed on or in the piston (10) through which a fluid flows when the piston (10) is moved, wherein a volume-compensation element (14) arranged in the housing (2) is provided, which compensates for a volume that is displaced or released with a pushing or pulling of a part of the piston rod (5) into or out of the housing (2), slidably mounted in the housing (2), wherein the volume-compensation element (14) is retained on a cover (13) which closes the housing (2) at one end and forms a through-opening for the piston rod (5).

IPC 8 full level  
**E05F 5/02** (2006.01); **E05F 5/10** (2006.01)

CPC (source: EP US)  
**E05F 5/02** (2013.01 - EP US); **E05F 5/10** (2013.01 - EP US); **E05Y 2201/21** (2013.01 - US); **E05Y 2201/256** (2013.01 - EP US); **E05Y 2201/264** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**DE 202018103637 U1 20190927**; CN 112513397 A 20210316; CN 112513397 B 20221206; EP 3814595 A1 20210505; EP 3814595 B1 20220921; JP 2021529289 A 20211028; JP 7325456 B2 20230814; PL 3814595 T3 20230123; SI 3814595 T1 20230228; US 11866986 B2 20240109; US 2021246703 A1 20210812; WO 2020001936 A1 20200102

DOCDB simple family (application)  
**DE 202018103637 U 20180626**; CN 201980042112 A 20190604; EP 19730121 A 20190604; EP 2019064488 W 20190604; JP 2020571645 A 20190604; PL 19730121 T 20190604; SI 201930418 T 20190604; US 201916973942 A 20190604