

Title (en)
SLIDING ACCESSORY WITH DAMPING DEVICE

Title (de)
SCHIEBETEIL MIT DÄMPFUNGSVORRICHTUNG

Title (fr)
ACCESSOIRE COULISSANT AVEC DISPOSITIF D'AMORTISSEMENT

Publication
EP 3553266 A1 20191016 (EN)

Application
EP 18169738 A 20180427

Priority
CN 201810326729 A 20180412

Abstract (en)
The present invention discloses a sliding accessory with a damping device (03), comprising the damping device (03), a sliding mechanism, a spring (05) and a fixed seat. It is suggested that the fixed seat comprises a fixed front seat (01) and a fixed back seat (02). One end of the fixed front seat (01) is provided with a first pulley (011) or a first sliding block (04), and the other end of the fixed front seat (01) is provided with a second pulley (012). A first fastening assembly is placed at the position of the middle of the fixed front seat (01) and close to the first pulley (011) or the first sliding block (04), and/or a first fastening assembly is placed at the position close to the second pulley (012). The fixed back seat (02) is provided with a second fastening assembly matched with the first fastening assembly. A cavity is formed inside the fixed front seat (01) and the fixed back seat (02) after being clamped, and the damping device (03) is placed in the cavity. The present invention intends to provide a sliding accessory with a damping device that possesses simple structure, convenient assembly and reliable performance, while realizing the sliding function and buffering deceleration.

IPC 8 full level
E05F 5/00 (2017.01); **E05D 15/06** (2006.01); **E05F 1/16** (2006.01)

CPC (source: CN EP)
E05D 13/00 (2013.01 - CN); **E05D 15/063** (2013.01 - EP); **E05F 1/16** (2013.01 - EP); **E05F 5/003** (2013.01 - CN EP); **E05Y 2201/10** (2013.01 - EP); **E05Y 2201/64** (2013.01 - EP); **E05Y 2600/456** (2013.01 - EP); **E05Y 2600/53** (2013.01 - EP); **E05Y 2800/24** (2013.01 - EP); **E05Y 2900/20** (2013.01 - EP)

Citation (applicant)
WO 2009076785 A1 20090625 - EKU AG [CH], et al

Citation (search report)
• [XY] CN 201843427 U 20110525 - DUNSHENG ZHAN
• [X] WO 2013138886 A1 20130926 - RIGO MARCUS AUGUSTO [BR]
• [Y] EP 3045075 A1 20160720 - GEZE GMBH [DE]
• [A] JP 2007009537 A 20070118 - NAKANISHI METAL WORKS CO
• [A] EP 3095941 A1 20161123 - TAMAR S R O [CZ]

Cited by
WO2023197405A1

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)
EP 3553266 A1 20191016; **EP 3553266 B1 20210609**; CN 110388156 A 20191029; DK 3553266 T3 20210823; ES 2881525 T3 20211129; PL 3553266 T3 20211213

DOCDB simple family (application)
EP 18169738 A 20180427; CN 201810326729 A 20180412; DK 18169738 T 20180427; ES 18169738 T 20180427; PL 18169738 T 20180427