

Title (en)
HINGE WITH A DAMPING FUNCTION

Title (de)
SCHARNIER MIT DÄMPFUNGSFUNKTION

Title (fr)
CHARNIÈRE DOTÉE D'UNE FONCTION D'AMORTISSEMENT

Publication
EP 3760823 A1 20210106 (EN)

Application
EP 20183839 A 20200702

Priority
PL 43048919 A 20190703

Abstract (en)
In a hinge with a damping function comprising a first fastening set (10) with a housing, a second fastening set (20) with a housing, as well as a damping unit (30) situated between the first fastening set (10) and the second fastening set (20), the damping unit (30) comprises a first damping set (31) comprising a first cam (13) non-rotatable in relation to the first fastening set (10) and shaped like a cylinder (11) open at a side of a middle of the hinge (1) and having a facing surface (14) with at least one protrusion (15) directed towards the middle of the hinge (1), a second damping set (32) comprising a second cam (23) non-rotatable in relation to the second fastening set (20) and shaped like a cylinder (21) open at the side of the middle of the hinge (1) and having a facing surface (24) faced towards the facing surface (14) of the first cam (13) and being in contact, at least in one point 27, with the facing surface (14) and comprising at least one skid with an inclined slope to the horizontal, whereas interiors of the first cylinder (11) and the second cylinder (21) form a central chamber in which is situated a damping operator (33) having an actuating cylinder (35), filled with a medium, and a returning piston (36, 136) with at least one pass-through opening and a piston rod (37, 137) slidably positioned in the actuating cylinder (35, 135), whereas the piston rod (37, 137) rests with its free end against a bottom of one of the first cylinder (11) and the second cylinder (21).

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Citation (applicant)
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Citation (search report)
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