

Title (en)
PERFECTED SINGLE-PIN HINGE AND FUNCTIONING METHOD OF SAID HINGE

Title (de)
PERFEKTIONIERTES SCHARNIER MIT NUR EINEM BOLZEN UND FUNKTIONSVERFAHREN DES SCHARNIERS

Title (fr)
CHARNIÈRE PERFECTIONNÉE À UNE SEULE BROCHE ET PROCÉDÉ DE FONCTIONNEMENT DE CETTE CHARNIÈRE

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Application
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Abstract (en)
The present invention relates to single-pin hinge (1,10) for fixing a door (A) to a wall (P) of a piece of furniture, the single-pin hinge (1,10) comprising: - a base (2), preferably suitable for being fixed to the wall of the piece of furniture, - a wing (3), preferably suitable for being fixed to the door (A) of the piece of furniture, - an intermediate element (4) which extends from the wing (3) and is hinged to the base (2), destined for rotatingly connecting the base (2) to the wing (3) for making the door (A) rotatable with respect to the wall (P) of the piece of furniture around only one rotation axis (X) between an open position of the door (A) and a closed position of the same door (A). The invention comprises a damper (5,50) interposed between the intermediate element (4) and the base (2) and suitable for acting between the two, at least in correspondence with a terminal rotation phase of the door (A) close to said closed position.

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Citation (applicant)
IT MI20020297 A1 20030818 - SYSTEM HOLZ SPA [IT]

Citation (search report)
• [X] US 9163447 B1 20151020 - LIANG HSIU-CHIANG [TW], et al
• [X] US 2015315832 A1 20151105 - WU ZHIYONG [CN]
• [X] EP 2749722 A1 20140702 - KING SLIDE WORKS CO LTD [TW], et al
• [A] US 7509708 B1 20090331 - RADKE TODD F [US], et al

Cited by
CN109681061A; IT202100024320A1; CN114270007A; EP4023847A4; EP4223966A1; IT202200002207A1; US11873673B2; WO2021039254A1

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