

Title (en)

FOUR-LINK DOOR HINGE CAPABLE OF SELF-CLOSING IN A BUFFERED WAY

Title (de)

VIERGLIEDRIGES TÜRSCHARNIER MIT SELBSTSCHLIESSENDER FUNKTION AUF EINE GEPUFFERTE ART

Title (fr)

CHARNIÈRE DE PORTE À QUATRE ARTICULATIONS EN MESURE DE SE FERMER AUTOMATIQUEMENT DE MANIÈRE AMORTIE

Publication

EP 3241967 A4 20180926 (EN)

Application

EP 16826979 A 20160606

Priority

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- CN 2016000296 W 20160606

Abstract (en)

[origin: EP3241967A1] The present invention discloses a door hinge of four-link rod, which can cushion self-close, comprising: a door hinge of four-link rod, which is formed by hinging a hinge seat, a hinge cup, a support link rod arm and an elastic link rod arm, and a damper for cushioning self-close of the door hinge, characterized in that: the support link rod arm has a bilateral fork arm hinged with the hinge cup, the damper is slidingly mounted in the hinge cup between the two fork arms along a swinging direction of the support link rod arm, an end of a piston rod of the damper abuts against an internal wall of the hinge cup adjacent to the hinging side, two sides of a cylinder body of the damper are formed with a boss which surface faces towards a bottom of the cylinder body, two fork arms form a protrusion which can abut against the surface of the boss. As the door hinge of four-link rod of the present invention has simple structure, assembly of the damper is facilitated, the production efficiency can be improved; moreover, the service life of the door hinge is prolonged due to the reasonable structure.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] DE 202006013361 U1 20080103 - HETTICH ONI GMBH & CO KG [DE]
- [A] EP 2749722 A1 20140702 - KING SLIDE WORKS CO LTD [TW], et al
- [A] US 2013111701 A1 20130509 - SALICE LUCIANO [IT]
- See references of WO 2017012282A1

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