

Title (en)
ACTUATING DEVICE AND JOINT

Title (de)
STELLVORRICHTUNG UND GELENK

Title (fr)
DISPOSITIF DE COMMANDE ET ARTICULATION

Publication
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Application
EP 13732507 A 20130628

Priority

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Abstract (en)
[origin: WO2014005941A1] The invention relates to an actuating device (1) for bi-directionally adjusting an actuator (2), particularly of an internal combustion engine, and comprising an actuator drive (4) and a coupling device (5) which is connected to said actuator drive (4) and actuator (2) and which comprises a first coupling element (7), a second coupling element (8) and a joint (9) that connects said two coupling elements (7, 8) together in an articulated manner. Relatively large compressive forces can be transmitted in a compact construction when the joint (9) comprises a housing (15) that is rigidly connected to said first coupling element (7) and that has a bearing chamber (16) which is open to the second coupling element (8) and which has a first bearing surface (19) in the form of a spherical segment facing away from the first coupling element (7), the centre of rotation (20) thereof lying on the longitudinal central axis (21) of the housing (15), and when said joint (9) comprises a bearing shell (22) that is rigidly connected to a shaft (18) of said second coupling element (8), is arranged in the bearing chamber (16), and has a first counter bearing surface (23) which faces the first coupling element (7), is shaped in the form of a spherical segment so as to complement the first bearing surface (19), and lies flat thereupon.

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Citation (search report)
See references of WO 2014005941A1

Citation (examination)

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- DE 10138836 A1 20030227 - ZF LEMFOERDER METALLWAREN AG [DE]
- DE 1916578 A1 19701015 - SCHMID LEOPOLD F
- US 4511276 A 19850416 - DOUTT KINGSLEY A [US]
- JP H05302618 A 19931116 - K I SEIKI KK

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