

Title (en)

ACTUATOR ARRANGEMENT, BALL JOINT, AND PRODUCTION METHOD

Title (de)

STELLEINRICHTUNG, KUGELGELENK UND HERSTELLUNGSVERFAHREN

Title (fr)

DISPOSITIF DE COMMANDE, ARTICULATION SPHÉRIQUE ET PROCÉDÉ DE FABRICATION

Publication

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Application

EP 13737166 A 20130628

Priority

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- EP 2013063627 W 20130628

Abstract (en)

[origin: WO2014005940A1] The invention relates to an actuator arrangement (1) for bi-directionally driving an actuator (2), preferably for an internal combustion engine, comprising an actuator drive (4) for generating actuator forces, and a coupling device (5) which is drive-connected to the actuator drive (4) and can be drive-connected to the actuator (2) in order to transmit actuator forces from the actuator drive (4) to the actuator (2), said coupling device (5) comprising a first coupling element (6), a second coupling element (7), and a ball joint (8) which connects the two coupling elements (6, 7) together in an articulated manner, and has a ball head (14) that is connected to said first coupling element (6) and a ball receiving portion (15) that is connected to said second coupling element (7). Simplified production is achieved when said ball head (14) comprises a cylindrical shaft-receiving opening (18) which is oriented radially with respect to the ball central point (16), into which a cylindrical shaft (19) of the first coupling element (6) is inserted, and in which said first coupling element (6) is rigidly connected to the ball head (14), and when said ball receiving portion (15) comprises a shaft-passage opening (20) which is oriented radially with respect to the ball central point (16), through which the shaft (19) of the first coupling element (6) extends, and which has a radial clearance (21) with regard to the shaft (19), relative to a longitudinal central axis (22) of said shaft (19).

IPC 8 full level

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Citation (search report)

See references of WO 2014005940A1

Citation (examination)

- JP H0861357 A 19960308 - NISSAN MOTOR
- DE 202009004351 U1 20100812 - EJOT GMBH & CO KG [DE]

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US11585233B2

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