

Title (en)
OPERATING DEVICE FOR A VALVE AND BELONGING MOTION AMPLIFIER

Title (de)
VENTILTRIEBVORRICHTUNG UND BEWEGUNGSVERSTÄRKER

Title (fr)
DISPOSITIF DE COMMANDE DE SOUPAPE ET AMPLIFICATEUR DE MOUVEMENT AFFERENT

Publication
EP 1084362 A1 20010321 (EN)

Application
EP 99924805 A 19990610

Priority
• DE 19826056 A 19980612
• DK 9900318 W 19990610

Abstract (en)
[origin: DE19826056A1] An operating device (1) for a valve has a regulating unit (10), acting, via a motion amplifier (14), upon a connecting link (16), the motion amplifier (14) having elements with tapered surfaces (22 to 29). The motion amplifier comprises an inlet element (15) being displaceable by the regulating unit (10) along an axis (E), with at least one tapered inlet surface (22, 23), an outlet element (16), also displaceable along the axis (E), with at least one tapered outlet surface (24, 25), and between them at least one intermediary element (17, 18). The at least one intermediary element (17, 18) extends vertically to the axis (E) and carries to tapered intermediary surfaces (26 to 29) with different inclinations in relation to the axis (E), the influence of a transverse force causing the first one (26, 27) to bear on a tapered inlet surface (22, 23) and the second one (28, 29) to bear on a tapered outlet surface (24, 25). Thus, the motion of the regulating unit (10) can be exposed to an amplification substantially without suffering from the influence of skew forces.

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IPC 8 full level
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