

Title (en)

SOLID-STATE ACTUATOR DRIVE APPARATUS

Title (de)

FESTKÖRPERAKTOR-ANTRIEBSVORRICHTUNG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT D'ACTIONNEUR DE CORPS FIXE

Publication

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Application

EP 07765364 A 20070612

Priority

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Abstract (en)

[origin: WO2007144330A1] The invention relates to a solid-state actuator drive apparatus comprising a drive body (3; 3°; 3*; 3°*), comprising a circular drive body opening (5) in the drive body, comprising a shaft (4) at least leading into the drive body opening, wherein a shaft diameter of the shaft (4) is smaller than an opening diameter of the drive body opening (5), and wherein the shaft (4) bears against a wall of the drive body opening (5) in a frictionally locking and/or positively locking manner during operation, and comprising at least two solid-state actuators (1, 2) which can be driven for expansion and/or for contraction along their longitudinal axis (1), wherein the at least two solid-state actuators are coupled or fixed to the drive body, to drive the latter relative to a housing (6), such that the shaft (4) can be caused to rotate by means of a displacement movement of the drive body, wherein the longitudinal axis (1) of at least one of the at least two solid-state actuators (1, 2) is oriented at an angle (a) of between 44° and 135° with respect to a radial direction (r) of the drive body opening (5) at the drive body (3; 3°; 3*, 3°*).

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