

Title (en)

ELECTROMECHANICAL ACTUATOR FOR CONTROLLING A FLOW MODULATOR CONSISTING OF A PIVOTABLE VANE IN A PIPE

Title (de)

ELEKTROMECHANISCHER ANTRIEB ZUR STEUERUNG EINES DURCHFLUSSMODULATORS MIT SCHWENKKLAPPE IM INNEREN EINER KANALISATION

Title (fr)

ACTIONNEUR ELECTROMECHANIQUE POUR COMMANDER UN MODULATEUR DE DEBIT DU TYPE VOLET PIVOTANT A L'INTERIEUR D'UNE CANALISATION

Publication

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Application

EP 93913196 A 19930625

Priority

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Abstract (en)

[origin: US5785296A] PCT No. PCT/FR93/00643 Sec. 371 Date Jan. 27, 1995 Sec. 102(e) Date Jan. 27, 1995 PCT Filed Jun. 25, 1993 PCT Pub. No. WO94/00858 PCT Pub. Date Jan. 6, 1994An electromechanical actuator for controlling a flow modulator which is pivotally mounted in a pipe to cause a rapidly variable head loss in a fluid flowing therein, the actuator being provided with a stator and a rotor. The rotor can move only through a predetermined angular sector by oscillating about an angular reference position, and a return device is provided for storing the kinetic energy of the rotor and flow modulator during angular deceleration of the rotor and at least partially returning the kinetic energy to the actuator during angular acceleration of the rotor.

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