

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

**EP 0647348 A1 19950412 (FR)**

Application

**EP 93913196 A 19930625**

Priority

- FR 9300643 W 19930625
- FR 9207899 A 19920626

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.

IPC 1-7

**H01F 7/14**; **F02D 11/10**

IPC 8 full level

**F02D 11/10** (2006.01); **H01F 7/08** (2006.01); **H01F 7/14** (2006.01)

CPC (source: EP US)

**F02D 11/10** (2013.01 - EP US); **H01F 7/145** (2013.01 - EP US); **F02D 2011/102** (2013.01 - EP US)

Citation (search report)

See references of WO 9400858A1

Cited by

WO2004042214A1; DE10251116A1; CN105546198A

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

**US 5785296 A 19980728**; DE 69305515 D1 19961121; DE 69305515 T2 19970515; EP 0647348 A1 19950412; EP 0647348 B1 19961016; ES 2093434 T3 19961216; FR 2693055 A1 19931231; FR 2693055 B1 19950630; JP 3113679 B2 20001204; JP H07508372 A 19950914; WO 9400858 A1 19940106

DOCDB simple family (application)

**US 35626695 A 19950127**; DE 69305515 T 19930625; EP 93913196 A 19930625; ES 93913196 T 19930625; FR 9207899 A 19920626; FR 9300643 W 19930625; JP 50211294 A 19930625