

Title (en)
DEVICE FOR ACTUATING AN OSCILLATING CHARGING CHUTE

Publication
EP 0144696 A3 19860402 (FR)

Application
EP 84112982 A 19841027

Priority
LU 85078 A 19831107

Abstract (en)
[origin: ES8507258A1] An apparatus for driving an oscillating spout capable of pivoting about two orthogonal axes under the action of a pivoting control arm having the same degrees of liberties as the spout is presented. The driving apparatus includes a control mechanism which directs the control arm to perform the movement required by the spout and a transmission device which acts to transmit the control arm movement to the spout to reproduce it as spout movement, and vice versa. The apparatus further includes a rotary internal housing supported on a support frame via a bearing member and enclosed by an outer housing or cowl. The rotary housing is associated with a toothed rim which is actuated by a first motor fixed to or adjacent to the support frame. A control mechanism is also provided which includes a driving rod which is coaxial with the rotary internal housing and which is capable of sliding in the axial direction. The control mechanism is associated with a second motor which is also adjacent to or fixed to the support frame. A pivotal connecting means consisting of a central body and two diametrically opposed pivots is mounted on the lower end of the driving rod via one or more bearings in such a way so as to be freely rotatable in relation to the rod (and in conjunction with the rotary housing) but integral therewith with regard to vertical or axial movement. The pivotal connecting means is associated with the rotary housing such that a high rate of rotation may be transferred thereto.

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Citation (search report)
• [AD] FR 2469683 A1 19810522 - ISHIKAWAJIMA HARIMA HEAVY IND [JP]
• [AD] EP 0062769 A1 19821020 - WURTH PAUL SA [LU]
• [APD] EP 0097859 A1 19840111 - WURTH PAUL SA [LU]

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EP 0144696 A2 19850619; EP 0144696 A3 19860402; EP 0144696 B1 19880406; AT E33400 T1 19880415; AU 3478984 A 19850516; AU 561944 B2 19870521; BR 8405770 A 19850917; CA 1220647 A 19870421; CS 250675 B2 19870514; DE 3470326 D1 19880511; ES 537173 A0 19850916; ES 8507258 A1 19850916; IN 161784 B 19880206; JP H0694898 B2 19941124; JP S60129463 A 19850710; KR 850004114 A 19850701; KR 920000518 B1 19920114; LU 85078 A1 19850717; PL 139299 B1 19870131; PL 250324 A1 19850730; SU 1329622 A3 19870807; UA 7735 A1 19951226; US 4889004 A 19891226; ZA 848249 B 19850626

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