

Title (en)
Device for actuating an oscillating charging chute.

Title (de)
Vorrichtung zum Antreiben einer oszillierenden Verteilerschurre.

Title (fr)
Dispositif d'entraînement d'une goulotte oscillante.

Publication
EP 0144696 A2 19850619 (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.

Abstract (fr)
Le dispositif d'entraînement d'une goulotte oscillante pouvant pivoter autour de deux axes orthogonaux comporte une cage rotative (20) portée par l'intermédiaire d'un roulement (22) sur une carcasse fixe (23) et munie d'une couronne dentée (28) actionnée par un premier moteur (34) fixé sur la carcasse (23), une tige de commande (38) coaxiale à ladite cage rotative (20), susceptible de coulisser axialement et reliée, à cet effet, à un second moteur (36), également fixé sur la carcasse (23), une traverse (40) engagée par l'intermédiaire d'un roulement (48, 50) sur l'extrémité de la tige de commande (38) de manière à être axialement solidaire, mais libre en rotation de celle-ci et relié à la cage rotative (20) de manière à être solidaire de la rotation de celle-ci, mais libre dans le sens axial par rapport à cette cage (20).

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IPC 8 full level
F16H 25/06 (2006.01); **C21B 7/18** (2006.01); **C21B 7/20** (2006.01); **F16H 37/16** (2006.01)

CPC (source: EP KR US)
C21B 7/20 (2013.01 - EP KR US); **Y10T 74/2036** (2015.01 - EP US)

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