

## Title (en)

ROTATING ACTUATING DEVICE FOR PIVOTING DOORS, ESPECIALLY VEHICLE DOORS

## Publication

**EP 0279236 B1 19900411 (DE)**

## Application

**EP 88101142 A 19880127**

## Priority

DE 3705370 A 19870220

## Abstract (en)

[origin: US4838102A] A rotating drive mechanism for swinging doors, especially on vehicles, with a helical transmission consisting of a stator that is rigidly connected to the housing of the rotating drive mechanism, a rotor that can rotate but cannot move axially and that is rigidly connected to the driveshaft, a coupling component that moves axially to rotate the rotor in relation to the stator, and a pneumatic or hydraulic drive cylinder with a piston rod that is connected to the coupling component. The drive cylinder is an annular cylinder that has an outer and an inner jacket as well as an annular piston between the inner and the outer jacket. The coupling component is a nut that extends into the inner cylinder jacket and surrounds a rotor in the form of a threaded spindle. The rotor extends coaxially through the inside of the inner jacket and is, where it emerges from the housing, in one piece with the stub of the takeoff shaft. The coupling component is non-rotationally connected to an axial positioning mechanism that has rollers that travel in a positioning slot in the stator.

## IPC 1-7

**E05F 15/04; F15B 15/08**

## IPC 8 full level

**B61D 19/02** (2006.01); **E05F 15/04** (2006.01); **E05F 15/54** (2015.01); **F15B 15/08** (2006.01)

## CPC (source: EP US)

**B61D 19/02** (2013.01 - EP US); **E05F 15/54** (2015.01 - EP US); **F15B 15/068** (2013.01 - EP US); **E05Y 2900/51** (2013.01 - EP US); **Y10T 74/18888** (2015.01 - EP US); **Y10T 74/19721** (2015.01 - EP US)

## Cited by

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