

Title (en)

SLEWING MECHANISM FOR SCREW CLOSURES AND PROCESS FOR MOUNTING SCREW CLOSURES ON CONTAINERS.

Title (de)

DREHVORRICHTUNG FÜR SCHRAUBVERSCHLÜSSE UND VERFAHREN ZUM AUFBRINGEN VON SCHRAUBVERSCHLÜSSEN AUF BEHÄLTER.

Title (fr)

MECANISME VIREUR POUR COUVERCLES FILETES ET PROCEDE DE MONTAGE DE COUVERCLES FILETES SUR DES CONTENEURS.

Publication

**EP 0524196 B1 19941005**

Application

**EP 91905499 A 19910302**

Priority

- DE 4011398 A 19900409
- EP 9100394 W 19910302

Abstract (en)

[origin: WO9115422A1] A slewing mechanism for screw closures, in particular of plastic, for containers has a drive and a torque-limiting device. It is characterized in that the torque-limiting device used is a control mechanism (19) which controls the energy supply to the drive (9) in function of the closing torque and/or in function of the angle of rotation of the closure (3) measured by an angle of rotation sensor (17). The control mechanism activates a switch device in function of the signal from a torque sensor (15) or an angle of rotation sensor (17). The signal is compared in a comparator (21) with predetermined torques or angles of rotation. The switch device can switch on, interrupt or reverse the energy supply to the motor (9). If the energy supply is reversed, the direction of rotation of the motor is reversed.

IPC 1-7

**B67B 3/20**

IPC 8 full level

**B67B 3/20** (2006.01)

CPC (source: EP US)

**B67B 3/208** (2013.01 - EP US); **B67B 3/26** (2013.01 - EP US)

Cited by

EP1139556A1; FR2807235A1; EP4209447A3; US6525498B2; EP4163212A1; DE102021004966B3; WO2023110541A3

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