

Title (en)

CHAIN ACTUATOR DRIVE WITH BEARING AND BEARING LOCK

Title (de)

KETTENSTELLANTRIEB MIT LAGER UND LAGERVERRIEGELUNG

Title (fr)

ENTRAÎNEMENT D'ACTIONNEUR DE CHAÎNE DOTÉ D'UN ROULEMENT ET ÉCROU DE ROULEMENT

Publication

EP 4080006 A1 20221026 (EN)

Application

EP 21169874 A 20210422

Priority

EP 21169874 A 20210422

Abstract (en)

A building chain actuator drive arrangement (1) comprising a worm screw (2) having a center axis (C) and a motor (5) configured to rotate the worm screw (2) around the center axis (C). A bearing (6) having a center axis coaxial with the center axis (C) is provided to support the worm screw (2). A bracket element (7) and/or a housing element, is connected to the motor (5) and comprises an axially extending recess (8) configured to accommodate the bearing (6). A resilient assembly (12) is arranged adjacent the recess (8) and configured to allow the bearing (6) to be inserted into the recess (8) by moving the bearing (6) in a first direction (D1) along the center axis (C), and to prevent the bearing (6) from moving in a second, opposite direction (D2) after the bearing (6) has been fully inserted into the recess (8).

IPC 8 full level

E05F 15/619 (2015.01)

CPC (source: EP)

E05F 15/619 (2015.01); **E05Y 2201/10** (2013.01); **E05Y 2201/434** (2013.01); **E05Y 2201/48** (2013.01); **E05Y 2201/628** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/702** (2013.01); **E05Y 2201/724** (2013.01); **E05Y 2600/53** (2013.01); **E05Y 2800/232** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)

WO 0231304 A1 20020418 - VKR HOLDING AS [DK], et al

Citation (search report)

- [YA] EP 3620602 B1 20210217 - SIEGENIA AUBI KG [DE]
- [YA] US 2014083794 A1 20140327 - ISHII SHOZO [JP]
- [YA] DE 202012001206 U1 20120308 - VKR HOLDING AS [DK]
- [A] US 2006260199 A1 20061123 - JORGENSEN THOMAS F [DK], et al
- [YA] EP 3287581 A1 20180228 - VKR HOLDING AS [DK]

Cited by

US2022195781A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4080006 A1 20221026

DOCDB simple family (application)

EP 21169874 A 20210422