

Title (en)

CHAIN ACTUATOR DRIVE WITH BRACKET SUPPORTING WORM DRIVE AND BEARING

Title (de)

KETTENSTELLANTRIEB MIT HALTERUNG FÜR SCHNECKENANTRIEB UND LAGER

Title (fr)

TRANSMISSION D'ACTIONNEUR PAR CHAÎNE DOTÉE D'UN SUPPORT D'ENTRAÎNEMENT DE VIS SANS FIN ET D'UN PALIER

Publication

EP 4080005 A1 20221026 (EN)

Application

EP 21169882 A 20210422

Priority

EP 21169882 A 20210422

Abstract (en)

A building chain actuator drive arrangement (1) comprising a worm screw (2) having a center axis (C) and a worm wheel (3) configured to engage the worm screw (2). The worm wheel (3) is operatively connected to a chain actuator (4). A motor (5) is operatively connected to the worm screw (2) and configured to rotate the worm screw (2) around the center axis (C). At least one bearing (6) has a center axis coaxial with the center axis (C) of the worm screw (2). A bracket element (7) is fixed to a center shaft (3a) of the worm wheel (3) by means of an opening in the bracket element (7) configured to accommodate the center shaft (3a). The bracket element (7) comprises at least one axially extending recess (8) configured to accommodate the at least one bearing (6), the bearing (6) being configured to support the worm screw (2).

IPC 8 full level

E05F 7/04 (2006.01); **E05F 15/619** (2015.01); **E05F 15/622** (2015.01)

CPC (source: EP)

E05F 15/619 (2015.01); **E05F 15/622** (2013.01); **E05F 7/04** (2013.01); **E05Y 2201/10** (2013.01); **E05Y 2201/218** (2013.01); **E05Y 2201/222** (2013.01); **E05Y 2201/48** (2013.01); **E05Y 2201/628** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2201/702** (2013.01); **E05Y 2201/704** (2013.01); **E05Y 2201/724** (2013.01); **E05Y 2600/53** (2013.01); **E05Y 2600/60** (2013.01); **E05Y 2800/342** (2013.01); **E05Y 2800/422** (2013.01); **E05Y 2800/678** (2013.01); **E05Y 2900/152** (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]
- [Y] EP 3287581 B1 20210303 - VKR HOLDING AS [DK]
- [A] US 2014083794 A1 20140327 - ISHII SHOZO [JP]

Cited by

KR102617068B1

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 4080005 A1 20221026

DOCDB simple family (application)

EP 21169882 A 20210422