

Title (en)
CHAIN ACTUATOR DRIVE WITH BRACKET AND DAMPING ELEMENTS

Title (de)
KETTENSTELLANTRIEB MIT HALTERUNG UND DÄMPFUNGSELEMENTEN

Title (fr)
ENTRAÎNEMENT D'ACTIONNEUR DE CHAÎNE DOTÉ D'UN SUPPORT ET D'ÉLÉMENTS AMORTISSEURS

Publication
EP 4080004 A1 20221026 (EN)

Application
EP 21169877 A 20210422

Priority
EP 21169877 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). A motor (5) is operatively connected to the worm screw (2) and configured to rotate the worm screw (2) around the center axis (C). An at least partially tubular bracket element (7) is configured to at least partially accommodate the worm screw (2) and is connected to the motor (5), as well as fixed to a center shaft (3a) of the worm wheel (3). At least one radial damping element (18) is configured to reduce transmission of vibrations from the motor (5) to the remainder of the building chain actuator drive arrangement (1), the radial damping element(s) (18) having center axes coaxial with the center axis (C) and the radial damping element(s) (18) being arranged concentrically with at least one of the bracket element (7) and the motor (5).

IPC 8 full level
E05F 7/04 (2006.01); **E05F 15/619** (2015.01); **E05F 15/622** (2015.01)

CPC (source: EP)
E05F 7/04 (2013.01); **E05F 15/619** (2015.01); **E05F 15/622** (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 3287581 B1 20210303 - VKR HOLDING AS [DK]
• [Y] DE 202012001206 U1 20120308 - VKR HOLDING AS [DK]
• [A] EP 3620602 B1 20210217 - SIEGENIA AUBI KG [DE]
• [A] US 2014083794 A1 20140327 - ISHII SHOZO [JP]

Designated contracting state (EPC)
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