

Title (en)

DRIVE BELT OR SUPPORT BELT OF HIGH TENSILE STIFFNESS, IN PARTICULAR FOR ELEVATOR TECHNOLOGY

Title (de)

ANTRIEBS- ODER TRAGRIEMEN MIT HOHER ZUGSTEIFIGKEIT, INSBESONDERE FÜR DIE AUFZUGTECHNIK

Title (fr)

COURROIE D'ENTRAÎNEMENT OU PORTEUSE AYANT UNE RIGIDITÉ À LA TRACTION ÉLEVÉE, NOTAMMENT POUR LA TECHNIQUE DES ASCENSEURS

Publication

EP 3137404 A1 20170308 (DE)

Application

EP 15702730 A 20150130

Priority

- DE 102014208223 A 20140430
- EP 2015051882 W 20150130

Abstract (en)

[origin: WO2015165599A1] A drive system or support system, in particular for elevators, is described, comprising a belt pulley having a diameter of at least 70 mm and a drive belt or support belt which is curved around the belt pulley, wherein the drive belt or support belt comprises a cover layer (1), which is arranged on the lower side of the belt facing toward the belt pulley, and at least one tension layer (2), which is arranged directly above the cover layer; the cover layer is made of a polymeric material having elastic properties, the tension layer contains at least one fiber bundle which is almost unidirectional and which runs in the longitudinal direction of the belt, wherein certain relationships apply between the thickness of the cover layer, the thickness of the tension layer, the diameter of the belt pulley (4) and the Shore A hardness of the cover layer.

IPC 8 full level

B66B 7/06 (2006.01)

CPC (source: EP US)

B66B 7/062 (2013.01 - EP US); **B66B 11/08** (2013.01 - US); **D07B 1/22** (2013.01 - EP US); **D07B 2205/205** (2013.01 - EP US); **D07B 2205/2096** (2013.01 - EP US); **D07B 2205/30** (2013.01 - EP US); **D07B 2205/3003** (2013.01 - EP US); **D07B 2205/3007** (2013.01 - EP US); **D07B 2501/2007** (2013.01 - EP US)

Citation (search report)

See references of WO 2015165599A1

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

DOCDB simple family (publication)

DE 102014208223 A1 20151105; CN 206590716 U 20171027; EP 3137404 A1 20170308; US 2017043979 A1 20170216; WO 2015165599 A1 20151105

DOCDB simple family (application)

DE 102014208223 A 20140430; CN 201590000538 U 20150130; EP 15702730 A 20150130; EP 2015051882 W 20150130; US 201515305667 A 20150130