

Title (en)

METHOD FOR THE PRODUCTION OF A CATCHING CONNECTION IN A LINEAR DRIVE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MITNAHMEVERBINDUNG BEI EINEM LINEARANTRIEB

Title (fr)

PROCEDE DE PRODUCTION D'UNE LIAISON D'ENTRAINEMENT DANS UN SYSTEME DE COMMANDE LINEAIRE

Publication

EP 1738087 A1 20070103 (DE)

Application

EP 05716343 A 20050324

Priority

- EP 2005003130 W 20050324
- DE 102004017896 A 20040413

Abstract (en)

[origin: WO2005100808A1] Disclosed is a method for the production of an axial backlash-free catching connection between at least one linear displaceable guided rod (5) and a guide unit which can be displaced in a linear manner parallel thereto in a linear drive. Adhesive (34) is applied between a coupling member (25) of the guide unit protruding in front of the rod (5) and the front surface (27) of the rod (5) and the components are then screwed into each other such that relative movements are still possible perpendicular to the direction of displacement. The entire unit is then displaced, prior to hardening of the adhesive (34), between the two end positions of the lifting thereof, wherein the components are mutually aligned. The screw connection is finally tightened when the adhesive has hardened,

IPC 8 full level

F16C 29/02 (2006.01); **B23Q 1/58** (2006.01); **F15B 15/14** (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP US)

F15B 15/1457 (2013.01 - EP US); **F15B 15/1471** (2013.01 - EP US); **Y10T 29/49966** (2015.01 - EP US)

Citation (search report)

See references of WO 2005100808A1

Cited by

DE102013013273A1; DE102019004305A1; DE102013013273B4; DE102019004305B4

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

WO 2005100808 A1 20051027; AT E378526 T1 20071115; CN 100578026 C 20100106; CN 1942680 A 20070404; DE 102004017896 A1 20051103; DE 502005001982 D1 20071227; EP 1738087 A1 20070103; EP 1738087 B1 20071114; US 2007186766 A1 20070816; US 7845060 B2 20101207

DOCDB simple family (application)

EP 2005003130 W 20050324; AT 05716343 T 20050324; CN 200580012001 A 20050324; DE 102004017896 A 20040413; DE 502005001982 T 20050324; EP 05716343 A 20050324; US 59114105 A 20050324