

Title (en)
ROD-SHAPED STRUCTURE

Title (de)
STABFÖRMIGE STRUKTUR

Title (fr)
STRUCTURE EN FORME DE BÂTONNET

Publication
EP 2750654 B1 20170517 (DE)

Application
EP 12775604 A 20120829

Priority
• DE 202011105272 U 20110902
• DE 2012000876 W 20120829

Abstract (en)
[origin: WO2013029596A2] The invention relates to a rod-shaped structure comprising a plurality of tubular segments that are arranged in a longitudinal axis of the rod and can be braced with a central tensioning core (3) to form a rod that is dimensionally stable in operation. The rod-shaped structure also comprises connecting pieces (1, 2) for connecting segments in the braced state and has an overload protection. The overload protection is ensured in a reliable and defined manner in that the connecting pieces (1, 2) have slip-off faces (7, 7') which, by sliding against one another, cause a rotary movement between the segments around an instantaneous centre of rotation (4) that is spaced from the tensioning core (3) at a moment load transversely to the rod against a spring preload of the tensioning core (3).

IPC 8 full level
A61H 3/06 (2006.01); **B25G 1/04** (2006.01); **F16M 11/38** (2006.01)

CPC (source: EP)
A61H 3/068 (2013.01); **B25G 1/04** (2013.01); **A61H 2201/0161** (2013.01); **A61H 2201/0173** (2013.01)

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

DOCDB simple family (publication)
DE 202011105272 U1 20121206; DE 112012003650 A5 20140828; EP 2750654 A2 20140709; EP 2750654 B1 20170517;
WO 2013029596 A2 20130307; WO 2013029596 A3 20130530

DOCDB simple family (application)
DE 202011105272 U 20110902; DE 112012003650 T 20120829; DE 2012000876 W 20120829; EP 12775604 A 20120829