

Title (en)  
CONNECTOR FOR CONNECTING, WITHOUT TOOLS, TWO PANELS AT RIGHT ANGLES TO EACH OTHER, AND ACCOMPANYING PANEL ASSEMBLY

Title (de)  
VERBINDER ZUM WERKZEUGLOSEN VERBINDEN ZWEIER RECHTWINKLIG ZUEINANDER STEHENDER PLATTEN UND ZUGEHÖRIGE PLATTENANORDNUNG

Title (fr)  
CONNECTEUR SERVANT À RELIER, SANS OUTILS, DEUX PANNEAUX PERPENDICULAIRES L'UN À L'AUTRE, ET ENSEMBLE DE PANNEAUX CORRESPONDANT

Publication  
**EP 4248099 A1 20230927 (DE)**

Application  
**EP 21786371 A 20210929**

Priority  
• DE 202020106708 U 20201123  
• EP 2021076764 W 20210929

Abstract (en)  
[origin: WO2022106103A1] The invention relates to a connector (1) for connecting, without tools, two panels at right angles to each other, comprising: - a pot-shaped housing (10) having an expansion sleeve (11) that protrudes radially outward, - a tension lever (20), which is mounted in the housing (10) so as to be pivotable about a pivot axis (12) between a non-tensioned start position and a tensioned end position and has a tension contour (21) running eccentrically with respect to the pivot axis (12), and - a tension bolt (30) having a bolt shaft (33), a first bolt end in the form of a first bolt head (31) which is wider than the bolt shaft (33) and is arranged in the expansion sleeve (11), and a second bolt end in the form of a second bolt head (32) which is wider than the bolt shaft (33) and is arranged inside the housing (10), wherein the second bolt head (32), when the eccentric tension contour (21) of the tension lever (20) is in the tensioned start position, seen in the direction away from the expansion sleeve (11), is engaged from behind and pulled in the direction away from the expansion sleeve (11), and as a result the expansion sleeve (11) is expanded from the first bolt head (31).

IPC 8 full level  
**F16B 12/20** (2006.01)

CPC (source: EP US)  
**F16B 12/20** (2013.01 - EP); **F16B 12/2036** (2013.01 - EP US); **F16B 2012/2072** (2013.01 - EP US); **F16B 2012/209** (2013.01 - EP US)

Citation (search report)  
See references of WO 2022106103A1

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)  
**DE 202020106708 U1 20201204**; EP 4248099 A1 20230927; US 2023287918 A1 20230914; WO 2022106103 A1 20220527

DOCDB simple family (application)  
**DE 202020106708 U 20201123**; EP 2021076764 W 20210929; EP 21786371 A 20210929; US 202318321930 A 20230523