

Title (en)  
FASTENING DEVICE

Title (de)  
BEFESTIGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE FIXATION

Publication  
**EP 4176177 A1 20230510 (FR)**

Application  
**EP 21748915 A 20210702**

Priority  
• FR 2007020 A 20200702  
• FR 2021051213 W 20210702

Abstract (en)  
[origin: WO2022003299A1] The invention relates to a device (D) for fastening together two components (A and B) to be joined, the device comprising a connection rod (1) comprising two ends, a first end being fastened to a first component, the second end extending through the second component, the second end being provided with a bearing surface. This device is characterised in that it comprises a clamping wedge (7) which is associated with the second component (B) and which is movable relative to the second component along an axis which is not parallel with the longitudinal axis of the connection rod (1) and which is provided in an inclined plane (71), the wedge (7) being interposed between the bearing surface of the second end of the connection rod (1) and the surface of the second component so that, during its movement, the wedge (7), by means of its inclined plane, applies an axial constraint to the connection rod (1) and ensures that the two components (A and B) are fastened together.

IPC 8 full level  
**F16B 2/14** (2006.01); **F16B 3/06** (2006.01); **F16B 5/06** (2006.01); **F16B 7/04** (2006.01); **F16B 7/22** (2006.01)

CPC (source: EP US)  
**F16B 2/14** (2013.01 - EP US); **F16B 3/06** (2013.01 - US); **F16B 5/0642** (2013.01 - EP US); **F16B 7/0473** (2013.01 - US);  
**F16B 7/22** (2013.01 - EP); **F16B 3/06** (2013.01 - EP); **F16B 7/0473** (2013.01 - EP)

Citation (search report)  
See references of WO 2022003299A1

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)  
**FR 3112179 A1 20220107**; **FR 3112179 B1 20220722**; EP 4176177 A1 20230510; JP 2023532158 A 20230726; KR 20230035047 A 20230310;  
US 2023258211 A1 20230817; WO 2022003299 A1 20220106

DOCDB simple family (application)  
**FR 2007020 A 20200702**; EP 21748915 A 20210702; FR 2021051213 W 20210702; JP 2023523678 A 20210702; KR 20237001862 A 20210702;  
US 202118014103 A 20210702