

Title (en)
DEVICE FOR SECURING CONSTRUCTION MODULES

Title (de)
VORRICHTUNG ZUR SICHERUNG VON KONSTRUKTIONSMODULEN

Title (fr)
DISPOSITIF DE FIXATION DE MODULES DE CONSTRUCTION

Publication
EP 3848523 A1 20210714 (EN)

Application
EP 18932786 A 20180907

Priority
ES 2018070589 W 20180907

Abstract (en)
The invention provides a system for fixing construction modules based on two fixing devices for assembling three-dimensional construction modules during building construction and complex construction elements for any use, in which first, essentially flat fixing devices comprise two pairs of rigid rods arranged vertically in each pair, one on top of the other, in a U-shape, both pairs of rods being arranged in a concentric manner, thereby defining a U-shaped hole in which bosses are placed, and second fixing devices comprising three pairs of rigid rods arranged vertically in each pair, one vertically on top of the other, with one pair defining an essentially right-angle and the other two pairs of rods being arranged symmetrically with respect to their bisector, thereby defining a hole in the form of an arrowhead in which bosses are housed.

IPC 8 full level
E04B 1/41 (2006.01)

CPC (source: EP US)
E04B 1/043 (2013.01 - EP); **E04B 1/215** (2013.01 - US); **E04B 1/34321** (2013.01 - EP); **E04B 1/41** (2013.01 - US); **E04B 1/483** (2013.01 - US); **E04B 5/023** (2013.01 - EP); **E04B 2001/4192** (2013.01 - EP US)

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)
EP 3848523 A1 20210714; **EP 3848523 A4 20220413**; BR 112021003858 A2 20210518; MX 2021002530 A 20210428;
US 2021317653 A1 20211014; WO 2020049196 A1 20200312

DOCDB simple family (application)
EP 18932786 A 20180907; BR 112021003858 A 20180907; ES 2018070589 W 20180907; MX 2021002530 A 20180907;
US 201817272778 A 20180907