

Title (en)

IMPROVEMENTS IN MODULAR CONSTRUCTION SYSTEMS

Title (de)

VERBESSERUNGEN AN MODULARER KONSTRUKTIONSSYSTEMEN

Title (fr)

AMÉLIORATIONS APPORTÉES À DES SYSTÈMES DE CONSTRUCTION MODULAIRES

Publication

EP 3568536 A1 20191120 (EN)

Application

EP 17890866 A 20170111

Priority

CN 2017070884 W 20170111

Abstract (en)

[origin: WO2018129673A1] A joining system is provided for connecting first and second building construction members. The system includes a female dog (18) that connects to the first building construction member (14) and includes first and second female dog receiving surfaces (20,22), which face generally away from each other, and are adjacent an aperture (24) defining an axis. The system further includes a male dog (32) that is connectable to the second building construction member (16) and includes first and second male dog clamping surfaces (33,34) which generally face each other. The male dog (32) inserts through the aperture (24) and moves in a first lateral direction to clamp the female dog (18). A locking arrangement (42) includes first and second locking structures (44,46) which engage to permit movement of the male dog (32) in the first lateral direction to increase a clamping force on the female dog (18), and inhibit movement opposite the first lateral direction.

IPC 8 full level

E04B 1/61 (2006.01); **E04B 1/38** (2006.01); **E04B 1/58** (2006.01)

CPC (source: EP US)

E04B 1/14 (2013.01 - EP); **E04B 1/6137** (2013.01 - US); **E04B 1/6141** (2013.01 - US); **E04B 1/6187** (2013.01 - US);
E04B 7/04 (2013.01 - EP); **E04B 7/22** (2013.01 - EP); **E04B 1/14** (2013.01 - US); **E04B 1/34321** (2013.01 - EP US);
E04B 1/6137 (2013.01 - EP); **E04B 1/6162** (2013.01 - EP); **E04B 1/6187** (2013.01 - EP); **E04B 7/04** (2013.01 - US); **E04B 7/22** (2013.01 - US);
E04B 2001/389 (2023.08 - EP US); **E04B 2001/6195** (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)

WO 2018129673 A1 20180719; AU 2017392352 A1 20190829; CN 110268123 A 20190920; CN 110268123 B 20220114;
EP 3568536 A1 20191120; EP 3568536 A4 20201223; JP 2020504257 A 20200206; PH 12019550126 A1 20200615;
US 2019383001 A1 20191219

DOCDB simple family (application)

CN 2017070884 W 20170111; AU 2017392352 A 20170111; CN 201780083011 A 20170111; EP 17890866 A 20170111;
JP 2019557662 A 20170111; PH 12019550126 A 20190710; US 201716477449 A 20170111