

Title (en)

BUILDING BLOCK, WALL ASSEMBLED FROM IT AND METHOD OF MANIPULATING IT

Title (de)

BAUSTEIN, AUS IHM ZUSAMMENGESetzte WAND UND VERFAHREN ZU SEINER HANDHABUNG

Title (fr)

BLOC DE CONSTRUCTION, PAROI ASSEMBLÉE À PARTIR DE CELUI-CI ET SON PROCÉDÉ DE MANIPULATION

Publication

**EP 4341506 A1 20240327 (EN)**

Application

**EP 22725356 A 20220511**

Priority

- CZ 2021241 A 20210520
- CZ 2022000022 W 20220511

Abstract (en)

[origin: WO2022242784A1] A building block, in particular a building block (1) for robotic building assembly, which comprises two abutment walls (8), two side walls (9) and two front walls (2), at least one of its front walls (2) comprising at least one shaped gripping element (3) for attachment by a robotic handling device. A building wall, specifically the wall of a building (5) composed of building blocks (1), which comprise shaped gripping elements (3), which are arranged on their front walls (2) facing towards the inner parts of the building. A method of manipulating a building block, according to which the building block (1) is first held by at least one shaped gripping element (3) arranged on one of the front walls (2) by a robotic manipulating device, then the building block (1) is moved by the robotic manipulating device to position before its placement in the wall (5) of the building, and finally the building block (1) is pushed into its place in the wall (5) of the building by a robotic manipulation device in a substantially horizontal plane.

IPC 8 full level

**E04B 2/02** (2006.01)

CPC (source: CZ EP)

**E04B 2/02** (2013.01 - CZ EP); **E04C 1/00** (2013.01 - CZ); **E04G 21/22** (2013.01 - CZ); **E04B 2002/0258** (2013.01 - EP)

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)

**WO 2022242784 A1 20221124**; CZ 2021241 A3 20220810; CZ 309301 B6 20220810; EP 4341506 A1 20240327

DOCDB simple family (application)

**CZ 2022000022 W 20220511**; CZ 2021241 A 20210520; EP 22725356 A 20220511