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)

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