

Title (en)
A BUILDING ELEMENT

Title (de)
BAUELEMENT

Title (fr)
ÉLÉMENT DE CONSTRUCTION

Publication
EP 3911804 A1 20211124 (EN)

Application
EP 20701095 A 20200109

Priority
• GB 201900666 A 20190117
• GB 2020050041 W 20200109

Abstract (en)
[origin: GB2575701A] The building element 20, for the easy construction of a high-strength structure, comprises an insulating core 21 bonded to two outer panels 22 in an offset configuration, providing an overhang 23 over at least one side edge of the core. The opposite edge 24 of the core may be exposed. The insulating block may be formed from polystyrene and the panels from geopolymer concrete. The insulation core may include ridges or profiles 26, 27 for connecting to adjacent blocks. The panels may be attached to the core using adhesive, fastening rods or pins. The core may include at least one bore for receiving a tie bar or fastening rod. Also claimed is a system of building construction consisting of assembling a wall using said building elements. The wall may be compressed using a base beam, capping beam and tie bar.

IPC 8 full level
E04B 2/08 (2006.01); **E04B 2/02** (2006.01); **E04C 1/41** (2006.01)

CPC (source: EP GB US)
E04B 2/08 (2013.01 - EP GB US); **E04C 1/41** (2013.01 - EP GB US); **E04C 2/288** (2013.01 - GB US); **E04B 2002/0206** (2013.01 - EP US); **E04B 2002/0208** (2013.01 - EP US); **E04B 2002/0254** (2013.01 - EP GB US)

Citation (examination)
• WO 2011029149 A1 20110317 - HALOK PTY LTD [AU], et al
• GB 2471765 A 20110112 - BANAH UK LTD [GB]
• EP 1201839 A2 20020502 - CERRATO DOMINIC [US]
• CN 201155161 Y 20081126 - ZECHUAN CHEN [CN]
• GB 2262547 A 19930623 - PREMACO S A [FR]
• See also references of WO 2020148519A1

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)
GB 201900666 D0 20190306; **GB 2575701 A 20200122**; **GB 2575701 B 20200930**; EP 3911804 A1 20211124; SA 521422524 B1 20231123; US 2022074204 A1 20220310; WO 2020148519 A1 20200723

DOCDB simple family (application)
GB 201900666 A 20190117; EP 20701095 A 20200109; GB 2020050041 W 20200109; SA 521422524 A 20210714; US 202017420794 A 20200109