

Title (en)

PREFABRICATED COMPRESSIBLE BUILDING BLOCK WITH VOIDS, THAT CAN BE INTEGRATED INTO GALLERY LININGS BY TRADITIONAL METHODS OR BY TUNNEL BORING MACHINE METHOD

Title (de)

VORGEFERTIGTER KOMPRIMIERBARER BAUBLOCK MIT HOHLRÄUMEN, DIE NACH HERKÖMMLICHEN VERFAHREN ODER DURCH TUNNELBOHRMASCHINENVERFAHREN IN STOLLENAUSKLEIDUNGEN INTEGRIERT WERDEN KÖNNEN

Title (fr)

BLOC DE CONSTRUCTION COMPRESSIBLE À VIDE PRÉFABRIQUÉ, POUVANT S'INTÉGRER DANS LES REVÊTEMENTS DE GALERIES PAR MÉTHODES TRADITIONNELLES OU PAR MÉTHODE AU TUNNELIER

Publication

**EP 4041961 B1 20230719 (FR)**

Application

**EP 20793754 A 20201007**

Priority

- FR 1911093 A 20191007
- FR 2020051754 W 20201007

Abstract (en)

[origin: WO2021069830A1] The invention relates to a prefabricated compressible building block (1) having elasto-plastic behaviour having an elastic threshold of between 1 and 2 MPa and a plastic plateau of the order of 40 to 75% deformation at a non-zero load and maximum of 4 MPa, the block comprising longitudinal channels (2) having a first open end, the channels (2) defining voids occupying 40 to 75% of the total volume of the building block. The invention also relates to an arch stone having an extrados covered with a building block or with a plurality of such building blocks as described.

IPC 8 full level

**E04B 2/36** (2006.01); **E04B 2/52** (2006.01)

CPC (source: EP)

**E04B 2/36** (2013.01); **E04B 2/52** (2013.01)

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

DOCDB simple family (publication)

**FR 3101650 A1 20210409; FR 3101650 B1 20211001**; EP 4041961 A1 20220817; EP 4041961 B1 20230719; EP 4041961 C0 20230719; WO 2021069830 A1 20210415

DOCDB simple family (application)

**FR 1911093 A 20191007**; EP 20793754 A 20201007; FR 2020051754 W 20201007