

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 A VIDE PREFABRIQUE, POUVANT S'INTEGRER DANS LES REVETEMENTS DE GALERIES PAR METHODES TRADITIONNELLES OU PAR METHODE AU TUNNELIER

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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.

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