

Title (en)  
Building block with improved heat insulation

Title (de)  
Mauerziegel mit verbesserter Wärmedämmung

Title (fr)  
Bloc de construction à isolation thermique améliorée

Publication  
**EP 0528753 B1 19970903 (DE)**

Application  
**EP 92810543 A 19920717**

Priority  
CH 230291 A 19910802

Abstract (en)  
[origin: EP0528753A1] Large-format building block with improved heat insulation. The block contains inside it a number of continuous vertical cavities (1), which have the shape of two trapezoidal prisms pushed together at their minor faces. The cavities are arranged in rows parallel to the end faces (A,B) of the block, and offset by half their length with respect to one another in every two adjacent rows. As a result, the heat conduction along the webs between the cavities is compelled to follow an extended zig-zag path, whereby the heat insulation is correspondingly improved. In addition, the block contains along two mutually perpendicular half centre planes (E,F) preformed predetermined breaking points (7), such that a quarter of the block can be detached by the blow of a hammer and used with the rest of the block for forming corners and lintels. <IMAGE>

IPC 1-7  
**E04B 2/14**; **E04B 2/02**

IPC 8 full level  
**E04B 2/02** (2006.01); **E04B 2/14** (2006.01)

CPC (source: EP)  
**E04B 2/02** (2013.01); **E04B 2/14** (2013.01); **E04B 2002/026** (2013.01)

Cited by  
BE1027418B1; EP0909857A1; AT11089U3; WO2017095249A1; WO2009099345A1

Designated contracting state (EPC)  
AT CH DE FR IT LI

DOCDB simple family (publication)  
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