Title (en)

Vertically perforated lightweight brick

Title (de)

Hochloch-Leichtziegel

Title (fr)

Brique légère percée de trous perpendiculaires au plan de pose

Publication

EP 0599283 B1 19981014 (DE)

Application

EP 93118896 A 19931124

Priority

- DE 4239616 A 19921125
- DE 4305747 A 19930225

Abstract (en)

[origin: US5499478A] The invention proposes a lightweight vertically perforated brick having a perforation pattern comprising perforations which form a plurality of perforation rows, extending in the longitudinal direction, and are separated from one another by webs. In order to achieve an improved coefficient of thermal conductivity and to reduce the flank transmission, the invention proposes the combination of the following features: thickness of the webs </=5 mm, ratio of the largest and smallest inside widths of the perforation cross-section is between 1:1 and 1:2.5, spacing of the perforation rows </=22 mm, proportion of perforations >/=50% and apparent density of the brick material >/=1.5 kg/dm3. Hexagonal perforations, with corners directed towards the side walls, and a fibrous porosity agent are to be preferred. The abutment surfaces should be designed such that they are essentially in mirror symmetry with respect to one another, with the result that the protrusions bear against one another and the depressions respectively form a cavity together.

IPC 1-7

E04B 2/14

IPC 8 full level

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CPC (source: EP US)

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Cited by

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