

Title (en)  
IMPROVED INTERLOCKING BUILDING BLOCK

Publication  
**EP 0267334 B1 19910403 (EN)**

Application  
**EP 86308831 A 19861112**

Priority  
EP 86308831 A 19861112

Abstract (en)  
[origin: EP0267334A1] A block (20) of concrete or the like for use in constructing a mortarless wall is provided which includes a spaced parallel pair of upright sidewalls (22,24) having flat bottoms and tops and bearing integral block interlocking connectors (32,33) on their opposite ends. The sidewalls are integrally connected to one or more transverse webs (26) extending from the bottom of the sidewalls to above the tops thereof. Parallel slits (54) may divide the upper end of the web into knock-off portions (56,58,60) for installation of reinforcing bars. Each web (26) has a central concavity (64) in the upper end of at least one opposite side thereof, which concavity slope down into a complimentary central bottom convexity (66). The web tapers in thickness from bottom to top. The concavity (64) and convexity (66) can be triangular, dish-shaped, rectangular, etc. The webs (26) define cells (42,44,46,48,50) in the block when a number of the blocks are vertically stacked in staggered array to form a wall. The webs (26) make point or line contact with each other to interlock and prevent horizontal displacement, while presenting staggered cells and maximum surface area for adhesion to reinforcing concrete poured into the cells.

IPC 1-7  
**E04B 2/46**

IPC 8 full level  
**E04B 2/46** (2006.01); **E04B 2/52** (2006.01); **E04B 2/02** (2006.01)

CPC (source: EP)  
**E04B 2/46** (2013.01); **E04B 2/52** (2013.01); **E04B 2002/0206** (2013.01); **E04B 2002/0226** (2013.01)

Cited by  
WO2012160150A1; CN107246106A; LU91818B1; EP0472993A1; US5214898A

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AT BE CH DE ES FR GB GR IT LI NL SE

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