

Title (en)  
BUILDING COMPONENT

Title (de)  
BAUELEMENT

Title (fr)  
ELEMENT DE CONSTRUCTION

Publication  
**EP 0701647 B1 19980603 (DE)**

Application  
**EP 93917427 A 19930722**

Priority  
• AT 9300123 W 19930722  
• AT 107293 A 19930602

Abstract (en)  
[origin: US7067588B2] Building element having two parallel welded wire grid mats ( 1, 2 ), of straight web wires ( 7 ) which hold the wire grid mats at a predetermined distance apart and are joined at each end to the two wire grid mats. An insulating body ( 8 ) is arranged between the wire grid mats, through which the web wires pass. At least one of the wire grid mats is in the form of a grid reinforcement mat which possesses a minimum strength of the weld nodes which complies with the static requirements applicable to the building element, corresponding mechanical strength of the grid mat wires ( 3, 4 ) and also corresponding diameters and mutual spacings of the grid mat wires. The web wires are arranged in predetermined directions relative to the wire grid mats, and the insulating body is held at a predetermined distance from each of the wire grid mats.

IPC 1-7  
**E04C 2/20**

IPC 8 full level  
**E04C 2/22** (2006.01); **E04B 1/80** (2006.01); **E04C 2/04** (2006.01); **E04C 2/20** (2006.01); **E04C 5/06** (2006.01)

CPC (source: EP KR US)  
**E04C 2/044** (2013.01 - EP US); **E04C 2/049** (2013.01 - EP US); **E04C 2/06** (2013.01 - EP US); **E04C 2/20** (2013.01 - KR);  
**E04C 2/288** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
AT BE CH DE GR IT LI

DOCDB simple family (publication)  
**WO 9428264 A1 19941208**; AT 406064 B 20000225; AT A107293 A 19990615; AT E166940 T1 19980615; AU 4689593 A 19941220; CN 1069727 C 20010815; CN 1093767 A 19941019; DE 59308654 D1 19980709; DZ 1737 A1 20020217; EP 0701647 A1 19960320; EP 0701647 B1 19980603; GR 960300025 T1 19960531; JO 1788 B1 19941225; JP H09504844 A 19970513; KR 100252612 B1 20000601; KR 960702880 A 19960523; MY 111596 A 20000927; PL 314849 A1 19960930; PL 56798 Y1 19990129; SA 94140688 B1 20050208; US 2001010140 A1 20010802; US 2003029107 A1 20030213; US 6272805 B1 20010814; US 6705055 B2 20040316; US 7067588 B2 20060627; ZA 938397 B 19940609

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**AT 9300123 W 19930722**; AT 107293 A 19930602; AT 93917427 T 19930722; AU 4689593 A 19930722; CN 93119738 A 19931030; DE 59308654 T 19930722; DZ 930134 A 19931215; EP 93917427 A 19930722; GR 960300025 T 19960531; JO P19941788 A 19940410; JP 50000195 A 19930722; KR 19950705453 A 19951202; MY PI19932833 A 19931227; PL 10760293 U 19930722; PL 31484993 A 19930722; SA 94140688 A 19940426; US 26901402 A 20021010; US 55692495 A 19951129; US 80985501 A 20010316; ZA 938397 A 19931110