

Title (en)  
CONCRETE JOIST OR SUPPORTING SLAB OR THE LIKE

Publication  
**EP 0122502 A3 19860917 (DE)**

Application  
**EP 84103100 A 19840321**

Priority  
DE 3310482 A 19830323

Abstract (en)  
[origin: EP0122502A2] In order to save concrete in the case of concrete joists, supporting slabs or the like, and thus to reduce the weight, as well as to achieve greater spans and a higher loading capacity, the upper and/or the lower curves (7, 8) of cavities (6) provided in the concrete joist are constructed in the form of ellipses or false ellipses. If a wire reinforcement is provided, some of the lower wires (9) are wrapped from their interface into the joist, over a section, in a foil (10) in order to prevent excessive stresses and facial cracks in the force-introducing region. Furthermore, in the case of a concrete joist, supporting slab or the like having a joint (12), the latter is provided as a recess (15) in the side face (14), bevels (16, 17) being provided at the top and at the bottom in order to form diagonal struts in the jointed concrete. <IMAGE>

IPC 1-7  
**E04C 2/06**; **E04C 2/34**; **E04C 3/20**; **E04C 2/50**; **E04B 5/02**

IPC 8 full level  
**E04B 5/02** (2006.01); **E04C 2/06** (2006.01); **E04C 3/20** (2006.01)

CPC (source: EP)  
**E04B 5/043** (2013.01); **E04C 2/06** (2013.01)

Citation (search report)  
• [X] BE 693967 A 19670717  
• [X] DE 1022144 C  
• [A] DE 2504122 A1 19760805 - HOCHTIEF AG HOCH TIEFBAUTEN  
• [A] CH 430130 A 19670215 - RHEINQUELL ETS [LI]  
• [A] DE 826190 C 19511227 - ANNA ERNESTINE BRAKEMEIER GEB  
• [X] FRICK/KNILL/NEUMANN: "Baukonstruktionslehre", Teil 1, 26. Auflage, Seite 180; B.G. Teubner, Stuttgart, 1975

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GR880100855A; WO9848128A1

Designated contracting state (EPC)  
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**EP 0122502 A2 19841024**; **EP 0122502 A3 19860917**; DE 3310482 A1 19840927; DK 163184 A 19840924; DK 163184 D0 19840322; FI 841162 A0 19840322; FI 841162 A 19840924; NO 841137 L 19840924

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