

Title (en)  
Dowel for connecting concrete panels

Title (de)  
Betondübel zur Verbindung von Betonschalen

Title (fr)  
Cheville pour la connexion de panneaux en beton

Publication  
**EP 2241700 B1 20161109 (DE)**

Application  
**EP 10003730 A 20100407**

Priority  
DE 102009016691 A 20090407

Abstract (en)  
[origin: EP2241700A2] The concrete dowel (3) has a metal plate (4) extending transversely through a cavity between an upper concrete shell (1) and a lower concrete shell (2). Openings (5) are arranged on top of each other in the metal plate and form teeth (9, 10) that are aligned against each other. A pressure distribution body (11) is arranged in an area between the teeth. A spiral coil (12) e.g. double-conical spiral coil, is designed as the pressure distribution body. A winding of the spiral coil is mounted on the teeth in a form-fit manner.

IPC 8 full level  
**E04C 5/18** (2006.01)

CPC (source: EP)  
**E04C 5/18** (2013.01)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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