

Title (en)

Reinforcing element for concrete structures and concrete structural element using said reinforcing element

Title (de)

Verstärkungselement für Betonstrukturen und Betonstrukturelement mit besagtem Verstärkungselement

Title (fr)

Élément de renforcement pour structures en béton et élément structurel en béton utilisant cet élément de renforcement

Publication

**EP 1840291 A2 20071003 (EN)**

Application

**EP 07006679 A 20070330**

Priority

IT VI20060093 A 20060331

Abstract (en)

The invention is a reinforcing element (1; 20) for concrete structures comprising a filiform body (2) having one shaped section (3; 21) in the vicinity of each end (2a) and part of the external surface (4) made rough by a plurality of ribs (5) delimiting recesses (6) created in the filiform body (2). The filiform body (2) is a flat strap (7) that defines a mainly longitudinal direction (X) and presents external surfaces (4) on which the ribs (5) and the recesses (6) are created. The ribs (5) intersect one another.

IPC 8 full level

**E04C 5/01** (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP)

**E04C 5/012** (2013.01); **E04C 5/03** (2013.01); **E04C 5/073** (2013.01)

Citation (applicant)

- EP 0608013 A2 19940727 - OVER ROBERT HUGO JACOB [NL]
- US 6060163 A 20000509 - NAAMAN ANTOINE E [US]

Cited by

JP2014506223A; KR100885962B1; KR101711843B1; KR101711842B1; CN103261544A; EA024218B1; CN103261542A; EA018742B1; AU2011343412B2; EA025712B1; EP3419947A4; US8871020B2; US9045901B2; US9435122B2; US8962150B2; US9630226B2; WO2012080323A3; WO2010009687A1; WO2012080326A3

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