

Title (en)  
Reinforcing element for concrete construction

Title (de)  
Bewehrungselement für eine Betonkonstruktion

Title (fr)  
Élément de renforcement pour construction en béton

Publication  
**EP 2239391 A1 20101013 (EN)**

Application  
**EP 09157384 A 20090406**

Priority  
EP 09157384 A 20090406

Abstract (en)  
A reinforcing element (10) for concrete construction comprising a rod-shaped member (11) having a cross-sectional enlargement on at least one end thereof. The rod shaped member (11) comprises an elbow portion (12) on said at least one end being embedded in a protection block (15), thereby forming said enlargement. The method for producing the reinforcing element is also provided.

IPC 8 full level  
**E04C 5/06** (2006.01)

CPC (source: EP US)  
**E04C 5/0645** (2013.01 - EP US)

Citation (applicant)  
• US 2006090416 A1 20060504 - BRAASCH HARALD [DE], et al  
• US 2007175127 A1 20070802 - TANAKA YOSHIHIRO [JP]  
• EP 1905923 A2 20080402 - HILTI AG [LI]

Citation (search report)  
• [X] WO 0248476 A1 20020620 - BEKAERT SA NV [BE], et al  
• [A] DE 4409707 A1 19950928 - ZELLNER WILHELM [DE], et al  
• [A] WO 8704208 A1 19870716 - NILL WERNER [CH]  
• [A] US 5038545 A 19910813 - HIENDL HERIBERT [DE]  
• [A] WO 0151731 A1 20010719 - DOW CHEMICAL CO [US]

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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**EP 09157384 A 20090406**; EP 10714089 A 20100406; IB 2010051483 W 20100406; PL 10714089 T 20100406; US 201013262937 A 20100406