

Title (en)

A reinforced concrete element additionally reinforced with steel fibres, having a spacer

Title (de)

Armiertes Betonelement, wobei das Betonelement mit Stahlfasern verstärkt ist und einen Abstandhalter aufweist

Title (fr)

Élément en béton armé comprenant des fibres d'acier et étant pourvu d'un espaceur

Publication

**EP 2674542 A1 20131218 (EN)**

Application

**EP 13159517 A 20120613**

Priority

- EP 13159517 A 20120613
- EP 12171861 A 20120613

Abstract (en)

A reinforced concrete element (10) comprising a body of concrete (24) and a reinforcing structure embedded in the body, the reinforcing structure comprising a plurality of spaced apart reinforcing bars (22). The reinforcing structure further comprises at least one spacer (30) made of a light weight material such as plastic. The spacer (30) comprises retainment means (38) for keeping the plurality of reinforcing bars (22) in the reinforcing structure in place before and during curing of said concrete. The concrete (24) is reinforced with steel fibres.

IPC 8 full level

**E04C 5/16** (2006.01); **E04C 5/20** (2006.01)

CPC (source: EP)

**E04C 5/168** (2013.01); **E04C 5/20** (2013.01)

Citation (applicant)

- GB 904766 A 19620829 - EDWARD PETER SAMUEL
- EP 0794296 A1 19970910 - GRAY ENG LTD [GB]
- AU 725449 B2 20001012 - ROBERT JOHN BAIRD, et al

Citation (search report)

- [Y] GB 904766 A 19620829 - EDWARD PETER SAMUEL
- [Y] EP 0794296 A1 19970910 - GRAY ENG LTD [GB]
- [Y] AU 725449 B2 20001012 - ROBERT JOHN BAIRD, et al
- [Y] WO 2011109220 A2 20110909 - ALFONSO JORGE R [US]
- [Y] US 2005183381 A1 20050825 - ROSENBERG JEAN G [US]

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2674541 A1 20131218; EP 2674541 B1 20150415; EP 2674542 A1 20131218; EP 2674542 B1 20181121**

DOCDB simple family (application)

**EP 12171861 A 20120613; EP 13159517 A 20120613**