

Title (en)

SLOTTED INSERT WITH CAPTURED NUT ANCHOR

Title (de)

GESCHLITZTER EINSATZ MIT EINER GEHALTENEN METALLMUTTER

Title (fr)

INSERT A FENTES AVEC UN ANCRAGE A ECROU BLOQUE

Publication

EP 2975194 A1 20160120 (EN)

Application

EP 15172066 A 20150615

Priority

US 201414331538 A 20140715

Abstract (en)

A slotted insert based upon a non-metallic void former including a neck portion defining a longitudinally elongated slot, the neck portion having a first transverse width, and a channel portion defining a longitudinally elongated channel, the channel having a second transverse width substantially greater than the first transverse width. The insert includes a metal nut, captured within the channel, having an aperture and a third transverse width substantially greater than the first transverse width. The longitudinally elongated slot and longitudinally elongated channel are interconnected with the aperture of the captured metal nut accessible through the slot to provide an adjustable anchoring or connection point to other structural components. Various attachment features allow the insert to be positioned within formworks with or without direct attachment to the forming surface of a concrete form

IPC 8 full level

E04G 15/04 (2006.01); **E04B 1/41** (2006.01); **E04G 21/14** (2006.01)

CPC (source: BR EP US)

E04B 1/4121 (2013.01 - BR US); **E04B 1/4128** (2013.01 - BR EP US); **E04G 15/04** (2013.01 - BR EP US); **E04G 21/142** (2013.01 - BR EP US); **E04B 2001/4192** (2013.01 - EP US)

Citation (search report)

- [XAI] US 5625993 A 19970506 - KELLY DAVID L [US]
- [XA] WO 9621065 A1 19960711 - BURKE GROUP [US]
- [XA] US 4719724 A 19880119 - DITCHER JACK [US]
- [XA] DE 19923684 A1 19991230 - MAECHTLE DANIEL [DE]
- [A] WO 2012140329 A1 20121018 - ARTEON MARCEL [FR], et al

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 2975194 A1 20160120; AR 101105 A1 20161123; AU 2015203298 A1 20160204; BR 102015016609 A2 20160301; CA 2893902 A1 20160115; CN 105275094 A 20160127; JP 2016020740 A 20160204; KR 20160008972 A 20160125; MX 2015007172 A 20160114; US 2016017593 A1 20160121

DOCDB simple family (application)

EP 15172066 A 20150615; AR P150102135 A 20150702; AU 2015203298 A 20150617; BR 102015016609 A 20150710; CA 2893902 A 20150608; CN 201510407878 A 20150713; JP 2015141017 A 20150715; KR 20150099020 A 20150713; MX 2015007172 A 20150605; US 201414331538 A 20140715