

Title (en)

Device for preventing permeation of rainwater or the like at a separator portion in a concrete structure

Title (de)

Vorrichtung zur Verhinderung des Durchdringens von Regenwasser oder dergleichen an einem Trennabschnitt in einer Betonstruktur

Title (fr)

Dispositif pour empêcher la perméation de l'eau de pluie ou similaire dans une partie de séparateur d'une structure en béton

Publication

EP 2407611 A1 20120118 (EN)

Application

EP 10007146 A 20100712

Priority

EP 10007146 A 20100712

Abstract (en)

A plug for sealing an opening in a concrete structure, in particular an opening of a separation portion of the concrete structure, said plug comprising a stem with a base at the distal end and a seal element provided on the stem frontal of said base, wherein the seal element is manufactured in a material having a lower hardness than the stem, characterized in that a free space is defined between the distal end of the seal element and the frontal end of the base.

IPC 8 full level

E04G 17/06 (2006.01)

CPC (source: EP)

E04G 17/0644 (2013.01)

Citation (applicant)

- FR 2742784 A1 19970627 - KOCHEM MICHEL [FR]
- EP 0286583 A2 19881012 - ELESTA AG ELEKTRONIK [CH]

Citation (search report)

- [XY] DE 202009004865 U1 20090827 - FRANK GMBH & CO KG MAX [DE]
- [YD] FR 2742784 A1 19970627 - KOCHEM MICHEL [FR]
- [Y] DE 202008012973 U1 20081224 - WEM WUERZBURGER ELASTOMERTECHN [DE]
- [Y] DE 102009011785 A1 20091119 - MUELLER ANDREAS [DE], et al
- [X] DE 102005048707 A1 20070419 - BUSAK & SHAMBAN DEUTSCHLAND GM [DE]
- [X] DE 102006003047 A1 20070726 - BUSAK & SHAMBAN DEUTSCHLAND GM [DE]
- [X] DE 3433575 A1 19860320 - DOELLEN HEINZ VON [DE]
- [A] DE 7533055 U 19760212

Cited by

US2015252577A1; DE102015212466A1; AT15654U1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2407611 A1 20120118; DE 202011110691 U1 20150817; DK 2593617 T3 20170606; EP 2593617 A1 20130522; EP 2593617 B1 20170315; WO 2012007378 A1 20120119

DOCDB simple family (application)

EP 10007146 A 20100712; DE 202011110691 U 20110708; DK 11730960 T 20110708; EP 11730960 A 20110708; EP 2011061602 W 20110708