

Title (en)

DEVICE FOR SEALING A PENETRATION ASSOCIATED WITH A PENETRATING ELEMENT IN A SEALING SHEET

Title (de)

VORRICHTUNG ZUM ABDICHTEN EINES EINEM DURCHDRINGUNGSELEMENT ZUGEORDNETEN DURCHBRUCHS IN EINER DICHTUNGSBAHN

Title (fr)

DISPOSITIF POUR ÉTANCHER UN PERÇAGE ASSOCIÉ À UN ÉLÉMENT DE PERÇAGE DANS UNE BANDE D'ÉTANCHÉITÉ

Publication

EP 2499304 A1 20120919 (DE)

Application

EP 10779516 A 20101109

Priority

- EP 09175821 A 20091112
- EP 2010067075 W 20101109
- EP 10779516 A 20101109

Abstract (en)

[origin: EP2322722A1] The apparatus (1) has a penetrating element (4) designed as a clamping unit. The penetrating element penetrates into a separating layer (2). A section (6) of the penetrating element is received in an anchor element (5) connected to a substrate (3). A fastening plate (7) connects the layer to the anchor element. A cross-section of the plate is designed such that the plate forms an intermediate space (8) in contact with the layer. The space encloses a penetration site (9) of the penetrating element through the layer. The plate comprises a sealing device e.g. injection valve, for the space. Injection material selected from a group consisting of polyurethane, epoxy resin, acrylate and mineral binding agent, is introduced into the intermediate space. An independent claim is also included for a method for sealing of substrates in a construction area i.e. water body construction area, using a separating layer sealing apparatus.

IPC 8 full level

E02B 3/16 (2006.01); **E02B 5/02** (2006.01); **E04B 1/68** (2006.01)

CPC (source: EP)

E02B 3/16 (2013.01); **E02B 5/02** (2013.01); **E02D 31/02** (2013.01); **E04B 1/66** (2013.01)

Citation (search report)

See references of WO 2011057996A1

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

DOCDB simple family (publication)

EP 2322722 A1 20110518; EP 2499304 A1 20120919; WO 2011057996 A1 20110519

DOCDB simple family (application)

EP 09175821 A 20091112; EP 10779516 A 20101109; EP 2010067075 W 20101109