

Title (en)
Sealing device of concrete blocks and manufacturing method to carry out the same

Title (de)
Dichtungsprofil für Betonsegmente und sein Herstellungsverfahren

Title (fr)
Joint d'étanchéité pour voussoirs en béton et méthode pour sa fabrication

Publication
EP 2666959 B1 20170614 (EN)

Application
EP 13160854 A 20130325

Priority
IT PN20120025 A 20120525

Abstract (en)
[origin: EP2666959A1] Sealing device of concrete blocks (10), formed by a profile member made of elastomeric material, which shows a body (11) having an essentially parallelepiped shape and provided with internal cavities (12), the body extending with at least a fastening foot (13) which is able to be drowned into the concrete block. The body (11) is provided on each two lateral longitudinal surfaces with a groove (14) which engages a corresponding rib (15) made in a formwork (16), fitting for shaping the concrete block, in relation to the contact surface between the formwork and the concrete block.

IPC 8 full level
E21D 11/08 (2006.01); **E21D 11/38** (2006.01)

CPC (source: EP)
E21D 11/086 (2016.01); **E21D 11/385** (2013.01)

Citation (opposition)
Opponent : Dätwyler Sealing Technologies Deutschland GmbH
• WO 0153657 A1 20010726 - CERESOLA TUNNELBAUTECHNIK AG [CH], et al
• EP 0673734 A1 19950927 - BUCHAN C V LTD [GB]
• DE 1708690 A1 19710603 - ZUEBLIN AG
• EP 2239416 A2 20101013 - HEROLD KUNSTSTOFFTECHNIK [DE]
• US 5529312 A 19960625 - SKINNER JAMES W [US], et al
• US 2955322 A 19601011 - HITE EARL E
• EP 0982472 B1 20030312 - TARMAC LTD [GB]
• US 2009148658 A1 20090611 - GUTSCHMIDT HOLGER [DE], et al
Opponent : FIP INDUSTRIALE S.p.A.,
• JP 2002004793 A 20020109 - HOKUSEI RUBBER KOGYO KK
• WO 0153657 A1 20010726 - CERESOLA TUNNELBAUTECHNIK AG [CH], et al
• WO 9954593 A1 19991028 - HOCHTIEF AG HOCH TIEFBAUTEN [DE], et al
• EP 0673734 A1 19950927 - BUCHAN C V LTD [GB]
• FR 2684134 A1 19930528 - JOINT FRANCAIS [FR]
• DE 3934198 A1 19910418 - PHOENIX AG [DE]
• US 2003168819 A1 20030911 - GUTSCHMIDT HOLGER [DE]
• US 2009148658 A1 20090611 - GUTSCHMIDT HOLGER [DE], et al
• FR 2578480 A1 19860912 - PHOENIX AG [DE]
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• US 5876039 A 19990302 - SKINNER JAMES W [US], et al
• EP 0982472 A1 20000301 - TARMAC UK LTD [GB]
• DE 3624831 A1 19880128 - MUECHER HERMANN GMBH [DE]

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CN106640152A; CN110159318A; CN106523000A; IT201700116166A1; NL2012765B1; CN109209434A; EP3489458A1; RU2754163C2; CN106523001A; CN107701201A; US10018043B2; WO2015169707A3; WO2017134420A1

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