

Title (en)
IMPROVED CONNECTOR FOR USE IN FORMING JOINTS

Title (de)
VERBESSERTER VERBINDER ZUR VERWENDUNG BEI DER FORMUNG VON VERBINDUNGEN

Title (fr)
CONNECTEUR AMÉLIORÉ POUR UNE UTILISATION DANS LA FORMATION DE JOINTS

Publication
EP 3529423 A4 20200624 (EN)

Application
EP 17862135 A 20171020

Priority
• AU 2016904262 A 20161020
• AU 2017051148 W 20171020

Abstract (en)
[origin: WO2018071987A1] An improved connector (10) for use in forming joints between two surfaces. The improved connector (10) comprises a housing (12) having an enlarged seal housing (56) at a first end (20) and a sealing screen (16) adapted for receipt in the enlarged seal housing (56). The sealing screen (16) incorporates an elastic membrane (84) that surrounds an aperture (94). The aperture (94) is adapted to sealingly engage a dowel bar (18). This engagement means that movement of the dowel bar (18) laterally, vertically or telescopically is accommodated for by the elastic membrane (84) in a manner that ensures that the dowel bar (18) remains sealing engaged by the aperture (94).

IPC 8 full level
E04B 1/48 (2006.01); **E04B 1/41** (2006.01); **E04C 2/06** (2006.01); **E04C 5/16** (2006.01)

CPC (source: EP US)
E04B 1/48 (2013.01 - US); **E04B 1/483** (2013.01 - EP); **E04C 5/12** (2013.01 - EP US)

Citation (search report)
• [XAI] US 5653078 A 19970805 - KIES ANTONIUS M [NL], et al
• [XA] US 4141190 A 19790227 - SHIMADA SABURO
• [A] WO 2015117190 A1 20150813 - SRG LTD [AU]
• See also references of WO 2018071987A1

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)
WO 2018071987 A1 20180426; AU 2017338256 A1 20180510; AU 2018101574 A4 20181129; AU 2018101574 B4 20190627; AU 2020205245 A1 20200730; AU 2020205245 B2 20220407; CA 3081340 A1 20180426; CN 109923270 A 20190621; CN 109923270 B 20201201; EP 3529423 A1 20190828; EP 3529423 A4 20200624; SG 11201903486Q A 20190530; US 2020056369 A1 20200220

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AU 2017051148 W 20171020; AU 2017338256 A 20171020; AU 2018101574 A 20181019; AU 2020205245 A 20200714; CA 3081340 A 20171020; CN 201780068911 A 20171020; EP 17862135 A 20171020; SG 11201903486Q A 20171020; US 201716343008 A 20171020