

Title (en)
DRAINAGE BODY

Title (de)
RIGOLENKÖRPER

Title (fr)
CORPS À RIGOLES

Publication
EP 2470722 B1 20190703 (DE)

Application
EP 10766016 A 20101005

Priority
• DE 102009048309 A 20091005
• DE 102009044412 A 20091104
• EP 2010064795 W 20101005

Abstract (en)
[origin: CA2776567A1] The invention presents a drainage body which has two substantially identically formed surface-area units, namely a base unit and a substantially identically formed cover unit, which can be connected to one another in an installed state via spacer elements. It is proposed to design the surface-area units such that they can be stacked in a substantially interengaging manner such that the spacing between the surface-area units in the installed state is substantially greater than the spacing therebetween in the stacked state, wherein the spacer elements are substantially in the form of a, for example, truncated cone or truncated pyramid with a circumscribed cross-sectional surface area which decreases as the spacing from the surface-area units increases. As an alternative to this, provision may be made for the spacer elements to be arranged on the surface-area units such that the base units and the cover units can be laid to overlap one another in the manner of a masonrywork assembly. This gives rise to a high level of stability with, at the same time, space-saving storage capability and transportation capability.

IPC 8 full level
E02B 11/00 (2006.01); **E03F 1/00** (2006.01)

CPC (source: EP US)
E02B 11/005 (2013.01 - EP US); **E03F 1/002** (2013.01 - EP US); **E03F 1/005** (2013.01 - EP); **Y10T 137/598** (2015.04 - EP US)

Citation (opposition)
Opponent : Polypipe Limited,
• EP 1416099 A2 20040506 - POLYPIPE CIVILS LTD [GB]
• DE 20105694 U1 20011011 - HAURATON BETONWAREN [DE]
• WO 2009030896 A1 20090312 - UNIV COVENTRY [GB], et al
• US 2005155285 A1 20050721 - URBAN JAMES [US], et al
• DE 2521374 A1 19761202 - ROSEMEIER KG
• EP 0943737 A1 19990922 - WAVIN BV [NL]
• EP 2398969 A1 20111228 - RIUSA EU S R L [IT]
• KR 100576508 B1 20060503 - NUVOTEC CO LTD [KR]
• JP 2002115278 A 20020419 - HAYASHI SHINICHIRO
• KR 100553085 B1 20060221 - NUVOTEC CO LTD [KR]
• ANONYMOUS: "Modular Geo-Void Systems Total Water Management / VersaVoid A Precipitation Collection System and Versatile Void Former", ENVIRONMENTAL SUSTAINABLE SOLUTIONS LTD.,, 3 October 2008 (2008-10-03), pages 16pp, XP055722739, Retrieved from the Internet <URL:https://www.alderburgh.com/sites/default/files/brochures/VersaVoid%20Brochure.pdf>
• ANONYMOUS: "Polystorm Lite and Polystorm Technical Guide", POLYPIPE CIVILS, March 2009 (2009-03-01), pages 1 - 76, XP055722741, Retrieved from the Internet <URL:https://cms.esi.info/Media/documents/Polyp_Polystormtechdata_ML.pdf>

Cited by
US11492793B2

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)
DE 102009044412 A1 20110407; AU 2010305511 A1 20120426; AU 2010305511 B2 20150813; BR 112012006751 A2 20200728; BR 112012006751 B1 20210119; CA 2776567 A1 20110414; CA 2776567 C 20151222; CN 102575445 A 20120711; CN 102575445 B 20150325; DE 202010018411 U1 20160530; DK 2470722 T3 20190812; EP 2470722 A1 20120704; EP 2470722 B1 20190703; ES 2745991 T3 20200304; HR P20191712 T1 20191213; HU E045331 T2 20191230; LT 2470722 T 20190925; NZ 599178 A 20131129; PL 2470722 T3 20200131; PT 2470722 T 20191001; RS 59272 B1 20191031; RU 2012116438 A 20131110; RU 2540112 C2 20150210; SI 2470722 T1 20190930; US 2012255624 A1 20121011; WO 2011042415 A1 20110414

DOCDB simple family (application)
DE 102009044412 A 20091104; AU 2010305511 A 20101005; BR 112012006751 A 20101005; CA 2776567 A 20101005; CN 201080043913 A 20101005; DE 202010018411 U 20101005; DK 10766016 T 20101005; EP 10766016 A 20101005; EP 2010064795 W 20101005; ES 10766016 T 20101005; HR P20191712 T 20190920; HU E10766016 A 20101005; LT 10766016 T 20101005; NZ 59917810 A 20101005; PL 10766016 T 20101005; PT 10766016 T 20101005; RS P20191181 A 20101005; RU 2012116438 A 20101005; SI 201031916 T 20101005; US 201013500231 A 20101005