

Title (en)
Paving element

Title (de)
Verlegeplatte

Title (fr)
Elément de pavage

Publication
EP 1715100 A1 20061025 (DE)

Application
EP 06008249 A 20060421

Priority
DE 102005019039 A 20050423

Abstract (en)
Vertical locking is provided by a resting surface for the holding section (11) and/or a support surface for the head section (13) of the connector. The head section is supported over regions of its periphery, preferably its underside, on the support surface. The support surface and head surface resting upon it, are complementary in form. The connector projects from the main body (3) sidewalls (17, 19, 21, 23), which also include the corresponding connector receivers (9). The connecting components (3, 9) are integral with the sidewalls of the main body. Both the attachment (11) and head (13) of the connector project outwardly, the attachment and the main body being integral. The head includes a beveled surface for run-in. The receiver (9) includes a lead-in angle. The main body is a grid structure. It is round or polygonal, triangular, square or rectangular. The head (13) is rectangular or round, when seen in plan view. The penetration (15) is U-shaped, to match the attachment (11). The panel is preferably manufactured from recycled plastic granules by injection molding.

IPC 8 full level
E01C 5/20 (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP)
E01C 5/20 (2013.01); **E04F 15/02194** (2013.01); **E04F 15/087** (2013.01); **E04F 15/105** (2013.01); **E04F 15/107** (2013.01); **E01C 2201/12** (2013.01)

Citation (applicant)
DE 9208359 U1 19921015

Citation (search report)
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• [X] US 5628160 A 19970513 - KUENG PETER [CH]
• [X] DE 19802885 C1 19990506 - WEBER ALFRED [DE]
• [X] US 5323575 A 19940628 - YEH TZUNG-JZNG [TW]

Citation (third parties)
Third party :
• EP 0576939 A1 19940105 - WEBER WOLFGANG [DE]
• DE 10062711 A1 20010726 - RITTER GMBH [DE]
• DE 102004008130 B3 20050915 - PURUS ARZBERG GMBH [DE]
• DE 19640819 A1 19970403 - REMAPLAN ANLAGENBAU GMBH [DE]
• DE 3837124 A1 19890629 - SPIESS KUNSTSTOFF RECYCLING [DE]
• DE 20121313 U1 20020801 - VEEH HELMUT [DE]
• CH 540398 A 19730815 - FRUH WALTER [CH]

Cited by
GB2459920A; GB2459920B

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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EP 1715100 A1 20061025; EP 1715100 B1 20170913; DE 102005019039 A1 20061026; ES 2651346 T3 20180125; PL 1715100 T3 20180228

DOCDB simple family (application)
EP 06008249 A 20060421; DE 102005019039 A 20050423; ES 06008249 T 20060421; PL 06008249 T 20060421