

Title (en)

Artificial stone for reinforcing outdoor traffic areas

Title (de)

Kunststein zur Befestigung von Verkehrsflächen im Freien

Title (fr)

Pierre artificielle pour renforcer les aires de circulation à l'extérieur

Publication

EP 0791689 B1 20021218 (DE)

Application

EP 97102364 A 19970214

Priority

DE 29602972 U 19960220

Abstract (en)

[origin: US5902069A] There is provided an artificial stone for strengthening traffic surfaces in the open, in which the stone, in order to provide wide grooves between adjacently laid stones, is provided on its edge surfaces with integrally formed, completely identical spacer elements, the contacting free end surfaces of the spacer elements having, adjacent one another, a tooth and a recessed contact surface for the tooth of the adjacently laid stone; the tooth-recess sequence, in one peripheral direction of the stone, being the same for all spacer elements; the effective length of the individual edge surfaces of a stone, parallel to the laying plane, being the same as, or a whole-number multiple of, a smallest effective length; each edge surface segment which has the smallest effective length being provided with a spacer element; and the central axes of all spacer elements lying in the middle of the corresponding edge surface segment. The contact surface is formed as a tooth recess corresponding to the size of the tooth and enclosing the latter on both sides in the direction parallel to the laying plane and to the corresponding edge surface. The flanks of the tooth and of the tooth recess enclose an angle of at least 90 degrees, and the bisector of the angle is essentially parallel to a perpendicular drawn to the corresponding edge surface.

IPC 1-7

E01C 5/00

IPC 8 full level

E01C 5/00 (2006.01)

CPC (source: EP US)

E01C 5/00 (2013.01 - EP US); **E01C 2201/02** (2013.01 - EP US); **E01C 2201/16** (2013.01 - EP US)

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US 5902069 A 19990511; AT E230049 T1 20030115; AU 1769897 A 19970910; AU 708390 B2 19990805; CA 2198047 A1 19970821; CA 2198047 C 20070306; CZ 266098 A3 19990317; CZ 294653 B6 20050216; DE 29602972 U1 19960404; DE 29702544 U1 19970417; DE 59708970 D1 20030130; DK 0791689 T3 20030414; EP 0791689 A1 19970827; EP 0791689 B1 20021218; HU 220915 B1 20020629; HU P9900995 A2 19990728; HU P9900995 A3 19991129; JP 3345648 B2 20021118; JP H11508980 A 19990803; PL 186394 B1 20040130; PL 328576 A1 19990201; WO 9731155 A1 19970828

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US 80338597 A 19970220; AT 97102364 T 19970214; AU 1769897 A 19970215; CA 2198047 A 19970220; CZ 266098 A 19970215; DE 29602972 U 19960220; DE 29702544 U 19970214; DE 59708970 T 19970214; DK 97102364 T 19970214; EP 9700715 W 19970215; EP 97102364 A 19970214; HU P9900995 A 19970215; JP 52977197 A 19970215; PL 32857697 A 19970215