

Title (en)
A system of at least two flat prefabricated concrete elements

Title (de)
System von mindestens zwei Flach- Beton- Fertigbauteilen

Title (fr)
Système de au moins deux éléments plats préfabriqués en béton

Publication
EP 2253760 A1 20101124 (EN)

Application
EP 10162429 A 20100510

Priority
NL 2002901 A 20090518

Abstract (en)
A system of at least two flat prefabricated concrete elements, which can be interconnected in a plane near their facing short ends so as to form a pavement, the short end of each concrete element being provided with a recess, and a dowel extending from one recess into the other recess in the connected condition of the concrete elements for transferring forces exerted on the concrete elements between said elements, characterised in that a wall of the recess in the short end of the one concrete element is at least partially lined with a flexible material, and in that a wall of the recess in the short end of the other concrete element is at least partially roughened so as to allow horizontal movements and/or rotations of the adjacent concrete elements relative to each other, substantially without stresses, via the dowel.

IPC 8 full level
E01C 5/00 (2006.01); **E01C 11/14** (2006.01)

CPC (source: EP)
E01C 5/005 (2013.01); **E01C 11/14** (2013.01)

Citation (applicant)
NL 1029373 C1 20050808 - PRESSPLATE B V [NL]

Citation (search report)

- [I] US 2003108388 A1 20030612 - SMITH PETER J [US]
- [A] US 6145262 A 20001114 - SCHRADER ERNEST K [US], et al
- [A] FR 2812891 A1 20020215 - FREYSSINET INT STUP [FR]
- [A] US 2001022918 A1 20010920 - HU KUO-KUANG [US], et al
- [A] NL 3420 C

Cited by
CN112458815A; GB2593344A; GB2593344B; WO2020106574A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2253760 A1 20101124; NL 2002901 C2 20101122

DOCDB simple family (application)
EP 10162429 A 20100510; NL 2002901 A 20090518