

Title (en)

Device for receiving deformation energy

Title (de)

Vorrichtung zur Aufnahme von Verformungsenergie

Title (fr)

Dispositif destiné à la réception d'énergie de déformation

Publication

EP 2287414 A1 20110223 (DE)

Application

EP 09165632 A 20090716

Priority

EP 09165632 A 20090716

Abstract (en)

The device (16) has a deformable energy absorption body (18) consisting of porous mineral particles (20) and foam (22) in which the mineral particles are embedded. The volume percentage of porous mineral particle in the energy absorption body is in the range of 50-80. The porous mineral particles consist of expanded clay, foamed slag, pumice, porous concrete, foam glass or mineral foam. The foam is elastomeric foam such as polyurethane foam. The percentage of solid content in the porous mineral particles is in the range of 15-60.

Abstract (de)

Die Vorrichtung zur Aufnahme von Verformungsenergie, insbesondere zur Anordnung unter lasttragenden Bauteilen eines Bauwerks ist versehen mit einem verformbaren Energieabsorptionskörper (18), der poröse mineralische Partikel (20) und einen Schaum (22) aufweist, in den die mineralischen Partikel (20) eingebettet sind.

IPC 8 full level

E04B 1/98 (2006.01); **E01C 3/06** (2006.01); **E02D 31/08** (2006.01)

CPC (source: EP)

E01C 3/06 (2013.01); **E02D 31/08** (2013.01); **E04F 19/028** (2013.01); **E21D 11/05** (2013.01); **F42D 5/045** (2013.01)

Citation (search report)

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- [X] DE 4403978 A1 19950810 - EUKA BAUELEMENTE VERKAUFSGESEL [DE]
- [Y] WO 9109513 A2 19910711 - STEPHENS ANNA Q [US]
- [Y] DE 2245100 A1 19740321 - RUHNAU JOACHIM
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Cited by

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Designated contracting state (EPC)

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)

AL BA RS

DOCDB simple family (publication)

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