

Title (en)

FIBER-BASED CARRIER STRUCTURE FOR LIQUIDS AND SOLID PARTICLES

Title (de)

FASERBASIERTE TRÄGERSTRUKTUR FÜR FLÜSSIGKEITEN UND FESTSTOFFPARTIKEL

Title (fr)

STRUCTURE DE SUPPORT À BASE DE FIBRES POUR LIQUIDES ET PARTICULES SOLIDES

Publication

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Application

EP 14705188 A 20140219

Priority

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Abstract (en)

[origin: CA2900996A1] The invention relates to a fiber-based carrier structure made of fractions of industrially produced reinforcing fibrous materials, which comprises endless fibers in a tangled arrangement as a first reinforcing fiber component and which comprises endless fiber bundles as a second reinforcing fiber component, wherein the fiber-based carrier structure also has a pore system. According to the invention, endless individual fibers and endless fiber bundles are used as a mixture preferably in an isotropic tangled arrangement to produce a fiber-based carrier structure, the pore system of which is an open-cell pore system and is openly accessible from outside. Said fiber-based carrier structure enables the absorption of liquids and/or solid particles by the selection of a defined mixture ratio of endless fiber bundles and endless individual fibers, wherein the capacity to be impregnated with and the capacity to absorb liquid and/or solid powdery materials can be set by means of the mixture ratio.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014128149A1

Citation (examination)

- US 4112174 A 19780905 - HANNES GEORGE JOHN, et al
- EP 1302582 A1 20030416 - FREUDENBERG CARL KG [DE]
- US 2001025153 A1 20010927 - GROITZSCH DIETER [DE], et al

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DOCDB simple family (application)

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