

Title (en)

Reinforcing mesh and its use for a cement mortar and/or concrete element, a cement mortar and/or concrete element and a method for the production of such an element

Title (de)

Bewehrungsmatte sowie Verwendung einer solchen Bewehrungsmatte für ein Bauteil aus Zementmörtel und/oder Beton, Bauteil aus Zementmörtel und/oder Beton sowie Verfahren zur Herstellung eines solchen Bauteils

Title (fr)

Treillis d'armature et son application pour un élément en mortier de ciment et/ou en béton, un élément en mortier de ciment et/ou en béton et une méthode pour produire un élément de ce type

Publication

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Application

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Priority

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- IB 0001369 W 20000927

Abstract (en)

[origin: US2002062619A1] This invention refers to the manufacturing of structural and impervious members by slurry-infiltration in a 3-dimensional mat system, which consists of single layers (2). The single layers are preferably meshes. The structural system is a composite material consisting of a 3-dimensional micro reinforcing and sieving mat system bonded in concrete. The aggregate (1) can be precisely positioned horizontally and vertically in the member by variation of the mesh width of the single layers (2). The sieving effect by the variation of the mesh width in vertical direction guarantees a positioning of aggregate by size. By this effect the load capacity, the stiffness and the crack propagation can be controlled and adjusted precisely.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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US 2002062619 A1 20020530; **US 6868645 B2 20050322**; AT E310862 T1 20051215; AU 7677900 A 20010430; CH 692157 A5 20020228; CH 692157 A9 20020628; DE 50006748 D1 20040715; DK 1153179 T3 20060410; EP 1153179 A1 20011114; EP 1153179 B1 20051123; ES 2253258 T3 20060601; PT 1153179 E 20060630; WO 0123685 A1 20010405

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