

Title (en)
GRID FOR STRUCTURAL REINFORCEMENT

Title (de)
GITTER ZUR STRUKTURELLEN BEWEHRUNG

Title (fr)
GRILLE POUR RENFORCEMENT STRUCTUREL

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Application
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Abstract (en)
[origin: EP3431666A1] The invention relates to a grid for structural reinforcement (2) which comprises a first series of rods (4) and a second series of rods (6). The rods (4) of the first series are arranged essentially parallel among each other; the rods (6) of the second series are arranged essentially parallel among each other and essentially orthogonally with respect to the rods (4) of the first series. The rods (4, 6) of one of the series pass at the crossing points (8a, 8b) created between the two series of rods (4, 6) in an alternating way over and under the rods (6, 4) of the other series. At the crossing points (8a, 8b) the rods (4, 6) are connected among each other and have a reduced thickness with respect to the basic thickness of the rod (4, 6). The reduced thicknesses are represented by flattenings of the rods at the crossing points (8a, 8b) which each comprise a recess (10) and a flat portion (12) of the rod (4, 6) wherein the flat portion (12) is widened in the plane of the grid with respect to the cross section of the basic rod and wherein the recesses (10) open in an alternating manner in opposite senses in the direction orthogonal to the grid plane. The invention further concerns a reinforced construction material which comprises a hydraulic binder, preferably selected among mortar, concrete, cement and other cementitious materials as matrix and a grid for structural reinforcement (2) according to the invention embedded in the matrix of hydraulic binder. It is also described a use of the grid for structural reinforcement (2) according to the invention to stabilize asphalts or soils, in particular slanting grounds.

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