

Title (en)
WIRE MESH

Title (de)
DRAHTGEFLECHT

Title (fr)
GRILLE MÉTALLIQUE

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Abstract (en)
[origin: WO2018137969A1] The invention relates to a wire mesh (10a), in particular a safety net, comprising multiple coils (12a, 14a) which are braided into one another and at least one coil (12a) of which is made of at least one individual wire, a wire bundle, a wire strand, a wire rope, and/or another longitudinal element (16a) with at least one wire (18a) made of a high-strength steel and has a plurality of limbs (20a, 22a), a plurality of bending points (24a) connecting two respective limbs (20a, 22a), and a transverse extension (44a) along a frontal direction (54a) perpendicularly to a main extension plane of the coil (12a). According to the invention, a test piece (46a) which is removed from the coil (12a) and which comprises at least five limbs and at least four bending points exhibits a load-deflection curve (56a; 56f; 56g; 56h; 56i; 56j) in a compression test between parallel plates (48a, 50a), said test including a pressing process by means of a movement of the plates (48a, 50a) along a pressing section (52a) parallel to the frontal direction (54a), wherein the load-deflection curve has an at least approximately linear first sub-characteristic line (60a; 60f; 60g; 60h; 60i; 60j) with a first inclination starting from the beginning of the press section (52a) in a pressing section force diagram (58a; 58f; 58g; 58h; 58i; 58j).

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