

Title (en)
STEEL WIRE MESH MADE OF STEEL WIRES HAVING HEXAGONAL LOOPS, PRODUCTION DEVICE, AND PRODUCTION METHOD

Title (de)
STAHLDRACHTGEFLECHT AUS STAHLDRÄHTEN MIT SECHSECKIGEN MASCHEN, HERSTELLUNGSVORRICHTUNG UND HERSTELLUNGSVERFAHREN

Title (fr)
GRILLAGE EN ACIER CONSTITUÉ DE FILS D'ACIER AYANT DES BOUCLES HEXAGONALES, DISPOSITIF DE PRODUCTION ET PROCÉDÉ DE PRODUCTION

Publication
EP 4171847 A1 20230503 (DE)

Application
EP 22700921 A 20220111

Priority
• DE 102021100678 A 20210114
• EP 2022050445 W 20220111

Abstract (en)
[origin: CA3205101A1] The invention is based on a steel wire netting (54a-d), in particular a hexagonal netting, made of steel wires (10a-d, 12a-d, 14a-d) with hexagonal meshes (16a-d), in particular for civil engineering purposes, preferably for an application in the field of protection from natural hazards, wherein the steel wires (10a-d, 12a-d, 14a-d) are alternately twisted with neighboring steel wires (10a-d, 12a-d, 14a-d) and wherein the steel wires (10a-d, 12a-d, 14a-d) are formed from a high-tensile steel or at least have a wire core made of a high-tensile steel. It is proposed that an, in particular average, ratio calculated from an, in particular average, mesh width (18a-d) of the hexagonal meshes (16a-d) and an, in particular average, mesh height (20a-d) of the hexagonal meshes (16a-d), measured perpendicularly to the mesh width (16a-d), amounts to at least 0.75, preferably to at least 0.8.

IPC 8 full level
B21F 27/06 (2006.01); **B21F 27/00** (2006.01); **E01F 7/04** (2006.01); **E02B 3/12** (2006.01)

CPC (source: EP KR US)
B21F 27/005 (2013.01 - EP KR US); **B21F 27/02** (2013.01 - US); **B21F 27/06** (2013.01 - EP KR); **D04B 1/108** (2013.01 - EP); **E01F 7/04** (2013.01 - EP KR); **E02B 3/12** (2013.01 - KR); **D10B 2101/20** (2013.01 - EP); **D10B 2505/204** (2013.01 - EP); **D10B 2507/02** (2013.01 - EP)

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021100678 A1 20220714; AU 2022207151 A1 20230727; AU 2022207151 B2 20240509; CA 3205101 A1 20220721; CL 2023001994 A1 20231229; CN 116783016 A 20230919; CN 116783016 B 20240402; EP 4171847 A1 20230503; EP 4171847 B1 20240110; EP 4171847 C0 20240110; HR P20240332 T1 20240607; JP 2024505424 A 20240206; KR 20230121886 A 20230821; MX 2023008271 A 20240214; PL 4171847 T3 20240506; RS 65404 B1 20240531; US 2024058858 A1 20240222; WO 2022152697 A1 20220721

DOCDB simple family (application)
DE 102021100678 A 20210114; AU 2022207151 A 20220111; CA 3205101 A 20220111; CL 2023001994 A 20230707; CN 202280009973 A 20220111; EP 2022050445 W 20220111; EP 22700921 A 20220111; HR P20240332 T 20220111; JP 2023542802 A 20220111; KR 20237024574 A 20220111; MX 2023008271 A 20220111; PL 22700921 T 20220111; RS P20240279 A 20220111; US 202218260960 A 20220111