

Title (en)
MESH FABRIC

Title (de)
GITTERGEWEBE

Title (fr)
TISSU A MAILLES

Publication
EP 1240372 B1 20040714 (DE)

Application
EP 00972853 A 20001024

Priority
• DE 19962441 A 19991222
• EP 0010451 W 20001024

Abstract (en)
[origin: WO0146504A1] The invention relates to a wide-meshed fabric (1) treated with bonding agents. The inventive mesh is made up of bundles (4) consisting of several warp threads (3) and bundles (6) consisting of several weft threads (5) surrounding the inner meshes (7). The warp threads (3) are interwoven with the weft threads (5) at intersection points (5) of the bundles (4) of warp threads and bundles (6) of weft threads (5) running at right-angles to each other. In order to firmly secure the warp threads and the weft threads, the bundles (4) of warp threads are divided into a first group (4') of warp threads and a second group (4'') of warp threads and the first group of warp threads crosses over the second group of warp threads belonging to the same bundle (4) of warp threads for each mesh (7) thereby forming a half-twist. Similarly, the warp threads (3) of both groups (4', 4'') of warp threads are interwoven with the weft threads (5), running substantially parallel to each other. Mesh fabrics of the above-mentioned kind can be used to reinforce ground surfaces, road surfaces, layers of mortar and the like, in addition to use in poultry farming and use as fishing nets.

IPC 1-7
D03D 9/00; **D03D 13/00**

IPC 8 full level
D03D 9/00 (2006.01); **D03D 13/00** (2006.01)

CPC (source: EP US)
D03D 9/00 (2013.01 - EP US); **D03D 19/00** (2013.01 - EP US); **E04C 5/07** (2013.01 - EP US); **Y10T 442/102** (2015.04 - EP US); **Y10T 442/172** (2015.04 - EP US); **Y10T 442/3179** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0146504 A1 20010628; AT E271140 T1 20040715; AU 1144001 A 20010703; AU 775644 B2 20040812; BR 0016633 A 20021015; BR 0016633 B1 20100824; CA 2394710 A1 20010628; CA 2394710 C 20060411; CZ 20022128 A3 20020911; CZ 303111 B6 20120411; DE 19962441 A1 20010705; DE 50007094 D1 20040819; EP 1240372 A1 20020918; EP 1240372 B1 20040714; ES 2222245 T3 20050201; JP 2003524082 A 20030812; JP 4011916 B2 20071121; NO 20022537 D0 20020529; NO 20022537 L 20020619; NO 318639 B1 20050418; PL 201397 B1 20090430; PL 355631 A1 20040504; US 6818571 B1 20041116

DOCDB simple family (application)
EP 0010451 W 20001024; AT 00972853 T 20001024; AU 1144001 A 20001024; BR 0016633 A 20001024; CA 2394710 A 20001024; CZ 20022128 A 20001024; DE 19962441 A 19991222; DE 50007094 T 20001024; EP 00972853 A 20001024; ES 00972853 T 20001024; JP 2001546992 A 20001024; NO 20022537 A 20020529; PL 35563100 A 20001024; US 14942402 A 20020815