

Title (en)  
WOVEN GRID

Title (de)  
GITTERGEWEBE

Title (fr)  
GRILLE TISSEE

Publication  
**EP 1458912 A1 20040922 (DE)**

Application  
**EP 03720505 A 20030419**

Priority  
• DE 10245503 A 20020927  
• EP 0304110 W 20030419

Abstract (en)  
[origin: DE10245503A1] Individual yarns (2 or 4) of a yarn bundle (3 or 5) in one mesh (6) are longer than other yarns of the same bundle. The longer yarns (4') run meanderingly and form at least one open loop or a bulge (7). The open loops protrude upwards and downwards from the fabric plane and the longer yarns are 15-25% longer than the other yarns of the same bundle. An Independent claim is made for manufacturing the lattice.

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 13/004** (2013.01 - EP US); **D03D 19/00** (2013.01 - EP US); **D10B 2505/20** (2013.01 - EP US); **Y10T 428/23957** (2015.04 - EP US); **Y10T 428/23964** (2015.04 - EP US); **Y10T 442/102** (2015.04 - EP US); **Y10T 442/105** (2015.04 - EP US); **Y10T 442/172** (2015.04 - EP US); **Y10T 442/178** (2015.04 - EP US); **Y10T 442/183** (2015.04 - EP US); **Y10T 442/2361** (2015.04 - EP US); **Y10T 442/273** (2015.04 - EP US); **Y10T 442/2861** (2015.04 - EP US); **Y10T 442/2992** (2015.04 - EP US); **Y10T 442/3179** (2015.04 - EP US); **Y10T 442/322** (2015.04 - EP US); **Y10T 442/3301** (2015.04 - EP US); **Y10T 442/3317** (2015.04 - EP US)

Cited by  
EP2292845A1; EP2385174A1; EP2292843A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2004266291 A1 20041230**; **US 7279436 B2 20071009**; AT E291654 T1 20050415; AU 2003224106 A1 20040504; AU 2003224106 B2 20081106; BR 0306506 A 20041123; BR 0306506 B1 20120904; CA 2469646 A1 20040422; CA 2469646 C 20090602; DE 10245503 A1 20040408; DE 50300387 D1 20050428; EP 1458912 A1 20040922; EP 1458912 B1 20050323; ES 2239307 T3 20050916; JP 2006500483 A 20060105; JP 4327093 B2 20090909; NO 20042219 D0 20040527; NO 20042219 L 20040527; NO 324005 B1 20070730; PL 204247 B1 20091231; PL 368604 A1 20050404; RU 2005112741 A 20060127; RU 2303664 C2 20070727; WO 2004033777 A1 20040422

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**US 49584604 A 20040517**; AT 03720505 T 20030419; AU 2003224106 A 20030419; BR 0306506 A 20030419; CA 2469646 A 20030419; DE 10245503 A 20020927; DE 50300387 T 20030419; EP 0304110 W 20030419; EP 03720505 A 20030419; ES 03720505 T 20030419; JP 2004542247 A 20030419; NO 20042219 A 20040527; PL 36860403 A 20030419; RU 2005112741 A 20030419