

Title (en)

Textile mesh for reinforcing bituminous layers

Title (de)

Textiles Gitter zum Bewehren bitumengebundener Schichten

Title (fr)

Grille textile pour renforcer des couches bitumineuses

Publication

EP 1158098 B1 20030813 (DE)

Application

EP 01121592 A 19971205

Priority

- DE 19652584 A 19961217
- EP 97954723 A 19971205

Abstract (en)

[origin: US2003017771A1] The invention relates to a wide-meshed, textile lattice to provide reinforcement for bitumen-bonded layers, in particular of road surfacing, which is coated with a bonding compound having an affinity for bitumen and essentially consisting of two sets of parallel, load-bearing threads (1, 2), whereby one set of threads (1) extends in the longitudinal direction of the lattice and the other set of threads extends in the direction perpendicular to the longitudinal direction of the lattice and the threads (1, 2) are of glass fibres or chemical fibres such as polymer fibres or polycondensate fibres. In order to develop a reinforcing lattice for bitumen-bonded layers which provides a better bond with a pre-prepared formation than the known lattices, the over-crossed threads (1, 2) are secured to a thin fleece (3) by Raschel-locking, whereby the binding Raschel-locking threads (5) surround the longitudinally extending threads (1) of the lattice and secure the threads (2) extending transversely.

IPC 1-7

E01C 11/16

IPC 8 full level

E01C 11/16 (2006.01); **E04C 5/07** (2006.01)

CPC (source: EP US)

D04B 21/165 (2013.01 - EP); **E01C 11/165** (2013.01 - EP US); **D10B 2403/02412** (2013.01 - EP); **D10B 2505/02** (2013.01 - EP); **Y10T 428/24033** (2015.01 - EP US); **Y10T 428/24273** (2015.01 - EP US); **Y10T 442/10** (2015.04 - EP US); **Y10T 442/133** (2015.04 - EP US); **Y10T 442/159** (2015.04 - EP US); **Y10T 442/172** (2015.04 - EP US); **Y10T 442/181** (2015.04 - EP US); **Y10T 442/183** (2015.04 - EP US); **Y10T 442/184** (2015.04 - EP US); **Y10T 442/191** (2015.04 - EP US); **Y10T 442/197** (2015.04 - EP US); **Y10T 442/198** (2015.04 - EP US)

Cited by

NL2005608C2; FR2903430A1; DE102004015329A1; DE102004015329B4; US7207744B2; WO2012060698A1; WO2008003902A3; WO2008062134A3; EP1693517A2; EP1540083B1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

DOCDB simple family (publication)

US 2003017771 A1 20030123; US 6780798 B2 20040824; AT E214765 T1 20020415; AT E247193 T1 20030815; AU 5983698 A 19980715; AU 724371 B2 20000921; CA 2274798 A1 19980625; CA 2274798 C 20051101; CZ 182899 A3 19991117; CZ 296530 B6 20060412; DE 19652584 A1 19980618; DE 59706710 D1 20020425; DE 59710587 D1 20030918; EP 0956392 A1 19991117; EP 0956392 B1 20020320; EP 0956392 B2 20051207; EP 1158098 A1 20011128; EP 1158098 B1 20030813; EP 1158098 B2 20091028; EP 1158098 B9 20100519; EP 1158098 B9 20110119; EP 1318240 A2 20030611; EP 1318240 A3 20030813; ES 2172832 T3 20021001; ES 2172832 T5 20060516; ES 2204794 T3 20040501; ES 2204794 T5 20091207; JP 2001506330 A 20010515; JP 3452939 B2 20031006; MY 119614 A 20050630; NO 315571 B1 20030922; NO 992840 D0 19990611; NO 992840 L 19990708; PL 191788 B1 20060731; PL 333948 A1 20000131; RU 2166019 C2 20010427; TW 483961 B 20020421; US 6503853 B1 20030107; WO 9827282 A1 19980625

DOCDB simple family (application)

US 24553602 A 20020917; AT 01121592 T 19971205; AT 97954723 T 19971205; AU 5983698 A 19971205; CA 2274798 A 19971205; CZ 182899 A 19971205; DE 19652584 A 19961217; DE 59706710 T 19971205; DE 59710587 T 19971205; EP 01121592 A 19971205; EP 03005795 A 19971205; EP 9706809 W 19971205; EP 97954723 A 19971205; ES 01121592 T 19971205; ES 97954723 T 19971205; JP 52725298 A 19971205; MY PI9705322 A 19971110; NO 992840 A 19990611; PL 33394897 A 19971205; RU 99115877 A 19971205; TW 86117643 A 19971125; US 33128299 A 19991004