

Title (en)
INSECT SCREEN

Title (de)
INSEKTENSCHUTZGITTER

Title (fr)
GRILLAGE DE PROTECTION CONTRE LES INSECTES

Publication
EP 2798103 A2 20141105 (DE)

Application
EP 12805681 A 20121218

Priority
• DE 102011057150 A 20111229
• EP 2012076004 W 20121218

Abstract (en)
[origin: WO2013098131A2] The invention relates to a thread (4, 5) for producing fabrics (2) for insect screens (1), comprising a core which has a coating (11) that comprises a heat-activatable adhesive in order to bond to itself or to other threads of the fabric (2), said core having a higher melting point than the adhesive; to a fabric (2) for insect screens (1) with a mesh (7) web structure, comprising warp threads (4) and weft threads (5) which are connected to one another by means of adhesive at node points (6); to an insect screen (1) comprising a frame (3) and a fabric (2) which is stretched by means of the frame (3); and to a method for producing fabrics (2) for insect screens (1), having the steps of a) providing threads (4, 5) as warp threads (4) and weft threads (5), b) weaving a fabric (2) using the warp threads (4) and weft threads (5), and c) heating the fabric (2) to a temperature which is higher than the melting point of the adhesive and lower than the melting point of the core in order to produce bonds between the warp threads (4) and the weft threads (5) at the thread node points (6). The aim of the invention is to provide such a thread which can be processed into an transparent fabric (2) for insect screens (1) in a particularly efficient manner. This is achieved in that the coating (11) comprises hydrophobic repellents.

IPC 8 full level
D01F 1/04 (2006.01); **D01F 1/10** (2006.01); **D01F 8/04** (2006.01); **D03D 9/00** (2006.01); **E06B 9/52** (2006.01)

CPC (source: EP US)
D01F 1/04 (2013.01 - EP US); **D01F 8/06** (2013.01 - EP US); **D01F 8/14** (2013.01 - EP US); **D03D 9/00** (2013.01 - EP US); **D03D 15/587** (2021.01 - EP); **E06B 9/52** (2013.01 - EP US); **D10B 2321/021** (2013.01 - EP US); **D10B 2331/04** (2013.01 - EP US); **D10B 2401/021** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Cited by
DE102017011669A1

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

DOCDB simple family (publication)
WO 2013098131 A2 20130704; WO 2013098131 A3 20130926; CN 104136666 A 20141105; CN 108708032 A 20181026; DE 102011057150 A1 20130704; DE 102011057150 B4 20240307; EP 2798103 A2 20141105; EP 2798103 B1 20170222; ES 2625867 T3 20170720; HK 1203573 A1 20151030; US 2015004410 A1 20150101

DOCDB simple family (application)
EP 2012076004 W 20121218; CN 201280070894 A 20121218; CN 201810157031 A 20121218; DE 102011057150 A 20111229; EP 12805681 A 20121218; ES 12805681 T 20121218; HK 15103936 A 20150423; US 201214369666 A 20121218