

Title (en)

Flat goods made from thread, in particular surface hook and loop fastener part

Title (de)

Aus Garnen hergestellte Flächenware, insbesondere Flächenhaftverschlussteil

Title (fr)

Tissus plats fabriqués à partir de fils, en particulier élément de fermeture à surface auto-agrippante

Publication

EP 1949810 A3 20140409 (DE)

Application

EP 08001022 A 20080121

Priority

DE 102007003287 A 20070123

Abstract (en)

[origin: EP1949810A2] The surface fastener has a base structure (10) of assembled threads. Multiple fastening elements (12) are provided, which are manufactured on the base structure and are formed on the assembled threads. A part of the assembled thread consists of a thread system (14) for the base structure and the fastening element. The fastening element has two different types of neighboring threads (16,18,24,26) associated with each other.

IPC 8 full level

A44B 18/00 (2006.01); **D03D 27/00** (2006.01); **D03D 27/06** (2006.01)

CPC (source: EP)

A44B 18/003 (2013.01); **A44B 18/0034** (2013.01); **D03D 27/06** (2013.01)

Citation (search report)

- [X] EP 0780066 A2 19970625 - YKK CORP [JP]
- [X] EP 0985361 A1 20000315 - YKK CORP [JP]
- [X] US 2849785 A 19580902 - MCCULLOUGH DONALD F, et al
- [X] EP 0728859 A1 19960828 - HOECHST TREVIRA GMBH & CO KG [DE]

Cited by

CN105283092A; JP2016013281A; US10154706B2; WO2014198381A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1949810 A2 20080730; **EP 1949810 A3 20140409**; **EP 1949810 B1 20190925**; DE 102007003287 A1 20080724; DK 1949810 T3 20191216; ES 2761275 T3 20200519

DOCDB simple family (application)

EP 08001022 A 20080121; DE 102007003287 A 20070123; DK 08001022 T 20080121; ES 08001022 T 20080121