

Title (en)
CONTROLLABLE SURFACE AREA FABRIC

Title (de)
TEXTILES FLÄCHENGEBILDE MIT EINSTELLBAREM OBERFLÄCHENANTEIL

Title (fr)
TISSU A SURFACE MODULABLE

Publication
EP 1682708 A1 20060726 (EN)

Application
EP 04799070 A 20041104

Priority

- IB 2004052316 W 20041104
- US 51818503 P 20031107
- US 53637704 P 20040114
- US 53637804 P 20040114

Abstract (en)
[origin: WO2005045112A1] A fabric (1) with an adjustable surface area, contour, and/or adjustable portion includes interwoven textiles fibers, at least one shape memory alloy fiber (40) woven among the textile fibers that alters the surface are of the fabric upon receiving current, and a means for passing current (100) though the at least one shape memory alloy fiber (40).

IPC 8 full level
D03D 15/567 (2021.01); **B29C 61/06** (2006.01)

CPC (source: EP KR US)
A41D 15/00 (2013.01 - EP US); **A41D 31/00** (2013.01 - EP US); **B29C 61/06** (2013.01 - KR); **D03D 1/0088** (2013.01 - EP US); **D03D 15/25** (2021.01 - EP KR US); **D03D 15/56** (2021.01 - EP US); **D03D 15/567** (2021.01 - EP US); **C08L 2201/12** (2013.01 - EP US); **D10B 2101/20** (2013.01 - EP US); **D10B 2401/046** (2013.01 - EP US); **D10B 2401/061** (2013.01 - EP US); **D10B 2401/16** (2013.01 - EP US); **D10B 2501/00** (2013.01 - EP US); **D10B 2501/02** (2013.01 - EP US); **D10B 2501/041** (2013.01 - EP US); **D10B 2501/042** (2013.01 - EP US); **D10B 2501/043** (2013.01 - EP US); **H01H 2203/0085** (2013.01 - EP US); **Y10T 442/30** (2015.04 - EP US)

Citation (search report)
See references of WO 2005045112A1

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

DOCDB simple family (publication)
WO 2005045112 A1 20050519; EP 1682708 A1 20060726; JP 2007510815 A 20070426; KR 20060122837 A 20061130; US 2007042660 A1 20070222

DOCDB simple family (application)
IB 2004052316 W 20041104; EP 04799070 A 20041104; JP 2006537548 A 20041104; KR 20067008911 A 20060508; US 57215604 A 20041104