

Title (en)
IMPACT ABRASION AND CUT RESISTANT MONO-FABRIC

Title (de)
SCHEUER- UND SCHNITTFESTES MONO-GEWEBE

Title (fr)
TISSU MONOCOUCHE RESISTANT A L'ABRASION ET AUX COUPURES

Publication
EP 3263754 A1 20180103 (EN)

Application
EP 17158660 A 20170301

Priority
ES 201630876 A 20160628

Abstract (en)
The invention relates to an impact, abrasion and cut resistant mono-fabric consisting of three different layers: an outer layer, an intermediate binding layer and an inner layer. The three layers woven and bound in one and the same structure form a single fabric from bicomponent technical yarns, in which the yarns of the outer and inner layers of the fabric are formed by warp yarns and the yarns of the intermediate layer are formed by weft yarns, such that the intermediate layer has binding points on which the yarns of the outer layer progress and shifted with respect to the binding points of the intermediate layer with the binding points of the inner layer, the yarns of the outer and inner layers being kept such that they are not bound to one another.

IPC 8 full level
D03D 1/00 (2006.01); **D03D 11/00** (2006.01); **D03D 13/00** (2006.01); **D03D 15/56** (2021.01)

CPC (source: EP ES US)
D03D 1/0041 (2013.01 - EP ES); **D03D 11/00** (2013.01 - EP); **D03D 13/004** (2013.01 - EP); **D03D 15/47** (2021.01 - EP ES US); **D03D 15/513** (2021.01 - EP ES US); **D03D 15/56** (2021.01 - EP); **D10B 2321/0211** (2013.01 - EP); **D10B 2331/02** (2013.01 - EP); **D10B 2331/021** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP)

Citation (search report)

- [X1] WO 2015071133 A1 20150521 - DSM IP ASSETS BV [NL]
- [X2] US 2010075557 A1 20100325 - SHTEIYER YAAKOV [US]
- [XAY1] US 2016083877 A1 20160324 - KALFA KILICKAN ESIN [TR], et al
- [Y] WO 2015049401 A1 20150409 - TEJIDOS ROYO S L [ES]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3263754 A1 20180103; EP 3263754 B1 20181219; ES 2585278 A1 20161004; ES 2585278 B1 20170307; ES 2716452 T3 20190612; MA 42848 A 20180103; PT 3263754 T 20190328

DOCDB simple family (application)
EP 17158660 A 20170301; ES 17158660 T 20170301; ES 201630876 A 20160628; MA 42848 A 20170301; PT 17158660 T 20170301