

Title (en)
COATED LIGHTWEIGHT FABRIC, IN PARTICULAR FOR A GLIDING WING

Title (de)
BESCHICHTETES LEICHTGEWEBE, INSBESONDERE FÜR EINEN GLEITFLÜGEL

Title (fr)
TISSU LÉGER ENDUIT, NOTAMMENT POUR VOILE DE VOL

Publication
EP 4225979 A1 20230816 (FR)

Application
EP 21786230 A 20211004

Priority
• FR 2010142 A 20201005
• EP 2021077235 W 20211004

Abstract (en)
[origin: WO2022073902A1] Fabric for a gliding wing, in particular for paragliding, formed from warp threads and continuous weft threads and coated on one or both faces with a polyurethane (PU), the bare fabric having a coverage rate TC of between 1.8 and 4, characterized in that the yarns are made of polyethylene terephthalate (PET), in that the fabric has a density of between 30 and 50 yarns/cm in warp and weft, in that the polyurethane is a polyether-, polyester- or polycarbonate-based cross-linked PU, and in that said PU is derived from the crosslinking (1) of a one-component polyurethane having a modulus at 100% elongation of 5 MPa or less, according to standard DIN 53504, carried out in an organic solvent phase, (2) by a cross-linking agent, with a proportion of dry cross-linking agent relative to dry elastomer of between approximately 5% and approximately 30% by weight.

IPC 8 full level
D03D 13/00 (2006.01); **D06M 15/564** (2006.01); **D06M 15/568** (2006.01); **D06M 15/572** (2006.01); **D06N 3/00** (2006.01); **D06N 3/14** (2006.01)

CPC (source: EP KR)
D03D 13/008 (2013.01 - EP KR); **D03D 15/283** (2021.01 - KR); **D06M 15/564** (2013.01 - KR); **D06N 3/0002** (2013.01 - EP); **D06N 3/0036** (2013.01 - EP); **D06N 3/14** (2013.01 - EP)

Citation (search report)
See references of WO 2022073902A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3114821 A1 20220408; **FR 3114821 B1 20221230**; CN 116324082 A 20230623; EP 4225979 A1 20230816; JP 2023544393 A 20231023; KR 20230084233 A 20230612; TW 202223199 A 20220616; WO 2022073902 A1 20220414

DOCDB simple family (application)
FR 2010142 A 20201005; CN 202180065965 A 20211004; EP 2021077235 W 20211004; EP 21786230 A 20211004; JP 2023520334 A 20211004; KR 20237015331 A 20211004; TW 110136951 A 20211004