

Title (en)

TEXTILE SUBSTRATE WITH ENHANCED BIODEGRADABILITY

Title (de)

TEXTILSUBSTRAT MIT VERBESSERTER BIOLOGISCHER ABBAUBARKEIT

Title (fr)

SUBSTRAT TEXTILE AYANT UNE BIODÉGRADABILITÉ AMÉLIORÉE

Publication

**EP 4212657 A1 20230719 (EN)**

Application

**EP 22151638 A 20220114**

Priority

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Abstract (en)

The invention relates to a textile composite, comprising a textile substrate, which comprises a synthetic polymer and cotton, and a composition for enhancing the biodegradability of the textile substrate, wherein the composition is absorbed by the cotton.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XI] WO 9207134 A1 19920430 - GENENCOR INT [US], et al
- [X] CN 112853562 A 20210528 - ZHEJIANG LONGSHIDA TECH CO LTD
- [X] CN 113100983 A 20210713 - QINGDAO GECHENG JINGWEI BIOLOGICAL TECH CO LTD
- [AD] US 2015037865 A1 20150205 - WEDER DONALD E [US]
- [A] WO 2020211977 A2 20201022 - CALIK DENIM TEKSTİL SAN VE TİC A S [TR]
- [A] WO 2019145020 A1 20190801 - CALIK DENIM TEKSTİL SAN VE TİC A S [TR]
- [A] EP 2365123 A1 20110914 - CLARIANT INT LTD [CH]
- [A] WO 9849387 A1 19981105 - NOVO NORDISK AS [DK]
- [A] CN 108677300 A 20181019 - BEIJING CHARPA SPACE TECH CO LTD
- [A] CN 212560640 U 20210219 - SHENGHE NEW MATERIAL TECH JIASHAN CO LTD
- [A] JP 2000303283 A 20001031 - TORAY INDUSTRIES

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

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