

Title (en)
SKELETON YARN AND DENIM FABRIC

Title (de)
GERÜSTGARN UND DENIMGEWEBE

Title (fr)
FIL SKELETON ET TISSU DENIM

Publication
EP 3550060 A3 20200304 (EN)

Application
EP 19163571 A 20190318

Priority
CN 201820370220 U 20180319

Abstract (en)
Disclosed is a skeleton yarn comprising a core-ply stretch yarn (1) positioned at the center, a middle-ply fine fiber or fine yarn (2) spun made of fiber coating the surface of the core-ply stretch yarn, and an outer-ply coarse fiber or coarse yarn (3) spun made of fiber coating the surface of the middle-ply fine fiber or fine yarn spun made of fiber, wherein the middle-ply fine fiber or fine yarn spun made of fiber is a high twist fiber, and the outer-ply coarse fiber or coarse yarn spun made of fiber is a loose twist fiber. A novel retro denim fabric made from the skeleton yarn can be subjected to a normal post-finishing shrinking process, and the problems of unstable garment model and the like caused by unstable washing shrinkage can be avoided.

IPC 8 full level
D02G 3/32 (2006.01); **D03D 15/225** (2021.01); **D03D 15/283** (2021.01); **D03D 15/41** (2021.01); **D03D 15/47** (2021.01); **D03D 15/50** (2021.01); **D03D 15/56** (2021.01)

CPC (source: EP US)
D02G 3/04 (2013.01 - US); **D02G 3/32** (2013.01 - EP US); **D02G 3/36** (2013.01 - US); **D02G 3/38** (2013.01 - US); **D03D 1/00** (2013.01 - EP); **D03D 15/47** (2021.01 - EP US); **D03D 15/56** (2021.01 - EP); **D10B 2201/02** (2013.01 - EP US); **D10B 2201/24** (2013.01 - EP US); **D10B 2331/04** (2013.01 - EP US); **D10B 2401/061** (2013.01 - EP US); **D10B 2501/04** (2013.01 - EP US)

Citation (search report)

- [XII] WO 2014113207 A1 20140724 - INVISTA TECH SARL [CH]
- [XII] WO 2018044335 A1 20180308 - OLAH INC [US]
- [XII] WO 2015032097 A1 20150312 - CENTRAL FABRICS LTD [CN]
- [XII] WO 2016105539 A1 20160630 - INVISTA NORTH AMERICA SARL [US]
- [XII] JP 2006132038 A 20060525 - TORAY INDUSTRIES
- [XII] US 2024156 A 19351217 - FOSTER BOUTWELL H

Cited by
CN112725969A; CN111560677A

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 3550060 A2 20191009; **EP 3550060 A3 20200304**; CN 208087828 U 20181113; US 2019284730 A1 20190919; WO 2019179397 A1 20190926

DOCDB simple family (application)
EP 19163571 A 20190318; CN 201820370220 U 20180319; CN 2019078519 W 20190318; US 201916357396 A 20190319