

Title (en)

A METHOD FOR MAKING IMPROVED ELASTICIZED FABRICS AND ELASTICIZED FABRICS MADE THEREBY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON VERBESSERTEN ELASTISCHEN GEWEBEN UND SO HERGESTELLTES ELASTISCHES GEWEBE

Title (fr)

PROCÉDÉ DE FABRICATION DE TISSUS ÉLASTIQUES AMÉLIORÉS ET TISSUS ÉLASTIQUES AINSI FABRIQUÉS

Publication

EP 4284971 A1 20231206 (EN)

Application

EP 22705888 A 20220128

Priority

- IT 202100001811 A 20210128
- IB 2022050770 W 20220128

Abstract (en)

[origin: WO2022162613A1] In order to manufacture an elastic fabric, a method comprises steps of: making a wound yarn (50), wherein a core yarn (30) and a winding yarn (40), preferably and independently from each other selected among: artificial fibres, e.g. Rayon; natural fibres such as linen, hemp, ramié, bamboo, jute, cotton, wool, silk; but also synthetic as nylon, polyester, acrylic etc.; tensioning the core yarn (30) by a predetermined pulling force; conveying the core yarn (30) and the winding yarn (40), in such a way that the latter laterally attains the former in a wrapping space (35), selecting the conveying speed; winding the winding yarn (40) about the core yarn (30) in a wrapping space (35) in such a way that, while being wound, in said wound yarn (50), said core yarn (30) and said winding yarn (40) are twisted with a respective twist directions opposite to each other, and said winding yarn (40) forms a number of turns T higher than a predetermined minimum number of turns T0, and lower than a predetermined maximum number of turns T1 of said winding wire (40) per length unit of said wound yarn (50), said minimum number of turns and maximum number of turns depending on said second linear mass density Nm₂; making a fabric by a knitting process or a weaving process; washing the yarn (50) and/or the fabric.

IPC 8 full level

D02G 1/02 (2006.01); **D02G 3/32** (2006.01); **D02G 3/36** (2006.01); **D02G 3/38** (2006.01)

CPC (source: EP)

D02G 1/02 (2013.01); **D02G 3/322** (2013.01); **D02G 3/326** (2013.01); **D02G 3/362** (2013.01)

Citation (search report)

See references of WO 2022162613A1

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)

WO 2022162613 A1 20220804; CN 116829776 A 20230929; EP 4284971 A1 20231206; IT 202100001811 A1 20220728

DOCDB simple family (application)

IB 2022050770 W 20220128; CN 202280012236 A 20220128; EP 22705888 A 20220128; IT 202100001811 A 20210128