

Title (en)

FLAME RESISTANT, HIGH VISIBILITY FABRICS AND METHODS OF MANUFACTURE THEREOF

Title (de)

FLAMMWIDRIGE STOFFE MIT HOHER SICHTBARKEIT UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

TISSUS RÉSISTANT AUX FLAMMES, À HAUTE VISIBILITÉ ET LEURS PROCÉDÉS DE FABRICATION

Publication

EP 3526377 A1 20190821 (EN)

Application

EP 17859412 A 20171004

Priority

- US 201662407064 P 20161012
- CA 2017000218 W 20171004

Abstract (en)

[origin: WO2018068123A1] A fabric for use in safety apparel is taught. The fabric comprises a first yarn comprising modacrylic run in a weft direction of said fabric and a second yarn comprising polyester run in a warp direction of said fabric. The fabric meets visibility requirements governed by CSA Z96 in Canada and by ANSI/ISEA 107 in the US and applicable international standards; and meets requirements for flame resistance governed in Canada by CAN/CGSB-155.20, CAN/CGSB 155.22, and CSA Z462; and in the US by NFPA 2112, NFPA 1971, NFPA 1975, NFPA 1977 and NFPA 70E and applicable international standards. A method of manufacturing a fabric is further taught, said method comprising the steps of running a first yarn in a weft direction, said first yarn comprising modacrylic and running a second yarn in a warp direction, said second yarn comprising polyester, wherein said method produces a fabric meeting visibility requirements and meeting requirements for flame resistance.

IPC 8 full level

D03D 15/12 (2006.01); **A41D 13/01** (2006.01); **D06M 17/00** (2006.01)

CPC (source: EP KR US)

A41D 13/01 (2013.01 - KR); **A41D 31/08** (2019.01 - EP KR US); **A41D 31/32** (2019.01 - KR); **D02G 3/443** (2013.01 - EP KR US); **D03D 13/004** (2013.01 - EP KR US); **D03D 15/513** (2021.01 - EP KR US); **D03D 15/54** (2021.01 - EP KR US); **A41D 13/01** (2013.01 - EP US); **A41D 31/32** (2019.01 - EP US); **A41D 2500/10** (2013.01 - KR US); **A41D 2500/20** (2013.01 - KR US); **A41D 2500/50** (2013.01 - KR US); **D10B 2321/101** (2013.01 - EP KR US); **D10B 2331/02** (2013.01 - EP KR US); **D10B 2331/04** (2013.01 - EP KR US)

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)

WO 2018068123 A1 20180419; **WO 2018068123 A8 20181025**; AU 2017344102 A1 20190502; BR 112019007345 A2 20190709; CA 3039075 A1 20180419; CO 2019003679 A2 20190430; EP 3526377 A1 20190821; EP 3526377 A4 20200603; KR 20190059914 A 20190531; MX 2019004218 A 20190610; PE 20190864 A1 20190618; US 2019309451 A1 20191010

DOCDB simple family (application)

CA 2017000218 W 20171004; AU 2017344102 A 20171004; BR 112019007345 A 20171004; CA 3039075 A 20171004; CO 2019003679 A 20190412; EP 17859412 A 20171004; KR 20197009527 A 20171004; MX 2019004218 A 20171004; PE 2019000796 A 20171004; US 201716338926 A 20171004