

Title (en)
FLAME RETARDANT STRETCH FIBER STRUCTURE, FLAME RETARDANT STRETCH WOVEN/KNITTED FABRIC, FLAME RETARDANT STRETCH CORE SPUN YARN, AND PROTECTIVE CLOTHING USING SAME

Title (de)
FLAMMHEMMENDE STRETCHFASERSTRUKTUR, FLAMMHEMMENDER GEWOBENER/GESTRICKTER STRETCHSTOFF, FLAMMHEMMENDES GESPONNENES GEWEBE MIT STRETCHKERN UND SCHUTZBEKLEIDUNG DAMIT

Title (fr)
STRUCTURE DE FIBRE EXTENSIBLE IGNIFUGE, TISSU/TRICOT EXTENSIBLE IGNIFUGE, FIL À ÂME EXTENSIBLE IGNIFUGE ET VÊTEMENT DE PROTECTION LES UTILISANT

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Application
EP 20881304 A 20201029

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Abstract (en)
[origin: EP4053318A1] The purpose of the present invention is to impart stretchability to a flame retardant structure composed of pilling-resistant flame retardant modacrylic fiber and blended yarn. This flame retardant stretch fiber structure is characterized in that the flame retardant modacrylic fiber blend ratio is 44-79 weight%, the regenerated cellulose fiber blend ratio is 17-50 weight%, and the polyurethane elastic fiber blend ratio is 2-10 weight%. Afterflame and afterglow according to the ISO 15025 A method both average 2.0 seconds or less.

IPC 8 full level
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Citation (search report)
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• [I] RU 189219 U1 20190516
• [I] JP H08158201 A 19960618 - KANEGAFUCHI CHEMICAL IND
• [I] KIM HYUN AH ET AL: "Flame-Retardant and Wear Comfort Properties of Modacrylic/FR-Rayon/Anti-static PET Blend Yarns and Their Woven Fabrics for Clothing", FIBERS AND POLYMERS, THE KOREAN FIBER SOCIETY, SEOUL, vol. 19, no. 9, 2 October 2018 (2018-10-02), pages 1869 - 1879, XP036605390, ISSN: 1229-9197, [retrieved on 20181002], DOI: 10.1007/S12221-018-1087-3
• See references of WO 2021085571A1

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