

Title (en)
FLAME RESISTANT FABRICS WITH INCREASED STRENGTH

Title (de)
FLAMMFESTE GEWEBE MIT ERHÖHTER FESTIGKEIT

Title (fr)
TISSUS IGNIFUGES AVEC UNE RÉSISTANCE ACCRUE

Publication
EP 4077781 A1 20221026 (EN)

Application
EP 20845465 A 20201218

Priority
• US 201962950193 P 20191219
• US 2020066038 W 20201218

Abstract (en)
[origin: US2021189611A1] Embodiments are directed to flame resistant fabrics formed of a plurality of spun body yarns and rip stops that extend between at least some of the spun body yarns in at least one of the warp or fill direction of the fabric. In some embodiments, the rip stops include at least two relatively tough yarns, and the relatively tough yarns include a core and a sheath.

IPC 8 full level
D02G 3/44 (2006.01); **D03D 13/00** (2006.01); **D03D 15/513** (2021.01)

CPC (source: EP IL US)
D02G 3/36 (2013.01 - IL); **D02G 3/443** (2013.01 - EP IL US); **D03D 13/004** (2013.01 - EP IL); **D03D 15/283** (2021.01 - IL US); **D03D 15/292** (2021.01 - IL US); **D03D 15/513** (2021.01 - EP IL US); **D02G 3/36** (2013.01 - EP); **D10B 2201/24** (2013.01 - EP IL); **D10B 2331/02** (2013.01 - EP IL); **D10B 2331/021** (2013.01 - EP IL); **D10B 2501/04** (2013.01 - EP IL)

Citation (search report)
See references of WO 2021127454A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2021189611 A1 20210624; AU 2020407643 A1 20220623; CA 3161838 A1 20210624; CN 115244235 A 20221025; CO 2022008423 A2 20220708; EP 4077781 A1 20221026; IL 293987 A 20220801; JP 2023507374 A 20230222; MX 2022007480 A 20220629; WO 2021127454 A1 20210624; ZA 202206594 B 20230628

DOCDB simple family (application)
US 202017127299 A 20201218; AU 2020407643 A 20201218; CA 3161838 A 20201218; CN 202080097124 A 20201218; CO 2022008423 A 20220616; EP 20845465 A 20201218; IL 29398722 A 20220615; JP 2022536932 A 20201218; MX 2022007480 A 20201218; US 2020066038 W 20201218; ZA 202206594 A 20220614