

Title (en)

FLAME RESISTANT SPUN STAPLE YARNS MADE FROM BLENDS OF FIBERS DERIVED FROM SULFONATED NAPHTHALENE POLYOXADIAZOLE POLYMERS

Title (de)

SCHWER ENTFLAMMBARE GESPONNENE STAPELGARNE AUS MISCHUNGEN AUS FASERN AUS SULFONIERTEN NAPHTHALENPOLYOXADIAZOLPOLYMEREN

Title (fr)

FILS DISCONTINUS FILÉS IGNIFUGES CONSTITUÉS DE MÉLANGES DE FIBRES DÉRIVÉES DE POLYMÈRES DE NAPHTALÈNE POLYOXADIAZOLE SULFONATÉ

Publication

**EP 2861789 A2 20150422 (EN)**

Application

**EP 13783124 A 20130611**

Priority

- US 201261660115 P 20120615
- US 2013045127 W 20130611

Abstract (en)

[origin: WO2014007948A2] Described is a flame-resistant spun yarn having: about 50 to about 95 parts by weight of a sulfonated naphthalene polyoxadiazole based staple fiber comprising repeat units of Formula (I) and one or both of Formula (II) and (IIa) wherein Q is H or SO<sub>3</sub>M, and M is one or more cations; and about 5 to about 50 parts by weight of a textile staple fiber having limiting oxygen index of 24 or greater and a tenacity of about 2 grams per denier or greater, based on the total amount of the polymeric fiber and the textile fiber in the yarn.

IPC 8 full level

**D02G 3/04** (2006.01); **D01F 6/74** (2006.01); **D01F 6/78** (2006.01); **D02G 3/44** (2006.01)

CPC (source: CN EP)

**D01F 6/74** (2013.01 - CN EP); **D01F 6/78** (2013.01 - CN EP); **D02G 3/04** (2013.01 - CN); **D02G 3/045** (2013.01 - CN); **D02G 3/44** (2013.01 - CN); **D02G 3/443** (2013.01 - CN EP)

Citation (search report)

See references of WO 2014007948A2

Cited by

CN111424353A

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