Title (en)

ARTICLES OF IGNITION RESISTANT COTTON FIBERS

Title (de)

ARTIKEL AUS ZÜNDBESTÄNDIGEN BAUMWOLLFASERN

Title (fr)

ARTICLES DE FIBRES DE COTON IGNIFUGE

Publication

EP 3291984 A1 20180314 (EN)

Application

EP 15891352 A 20150504

Priority

US 2015029069 W 20150504

Abstract (en)

[origin: WO2016178662A1] A bi-regional fiber with a cellulosic core and a wax outer sheath is disclosed. The sheath can comprise high melting temperature wax. The fiber may be produced by processing the natural fiber at temperatures less than 70°C. The fiber can be processed in a standard manner such as, for example, a Keir process which may include bleach at approximately 100°C with a wax subsequently added at a temperature sufficient to disperse the wax over the fiber surface. The fibers are ignition resistant as measured by industry standard tests. The wax may comprise from about 0.4 to 25 percent or greater of the fiber by weight. The wax may be natural wax, synthetic or emulsified wax or blends thereof. The bi-regional fibers can be blended with other fibers including BRCF fibers to create fire resistant fabrics including clothing, blankets and household materials.

IPC 8 full level

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