

Title (en)  
Flat textile structure for flame retardant protective clothing with high visibility

Title (de)  
Textiles Flächengebilde für flammhemmende Schutzkleidung mit hoher Sichtbarkeit

Title (fr)  
Structure plate textile pour vêtement de protection ignifuge avec meilleure visibilité

Publication  
**EP 2692918 A3 20160406 (DE)**

Application  
**EP 13178153 A 20130726**

Priority  
DE 102012106920 A 20120730

Abstract (en)  
[origin: EP2692918A2] The textile sheet is manufactured using A-type yarns or fibers having a core or shell structure comprising cotton or modacrylic filaments in the sheath, and B-type yarns or fibers with optical properties. The A-type yarns and B-type yarns are selected according to chromatic coordinates and luminance factor. The B-type yarns are selected from the group of polyesters and/or polyamide. The chromatic coordinates are corresponded to the colors of fluorescent yellow, fluorescent orange and fluorescent red according to the EN 471:2008 03. Independent claims are included for the following: (1) a method for manufacturing textile sheet; and (2) a clothing.

IPC 8 full level  
**D03D 1/00** (2006.01); **A41D 31/00** (2006.01); **D02G 3/44** (2006.01); **D03D 13/00** (2006.01); **D03D 15/00** (2006.01); **D03D 15/12** (2006.01)

CPC (source: EP US)  
**D02G 3/443** (2013.01 - EP); **D03D 1/0035** (2013.01 - EP US); **D03D 13/004** (2013.01 - EP); **D03D 15/47** (2021.01 - EP US); **D03D 15/513** (2021.01 - EP US); **D03D 15/54** (2021.01 - EP); **A41D 31/085** (2019.01 - EP); **A41D 31/32** (2019.01 - EP); **D02G 3/36** (2013.01 - EP); **D10B 2201/02** (2013.01 - EP); **D10B 2321/101** (2013.01 - EP); **D10B 2331/02** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP)

Citation (search report)  
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• [Y] DE 60126315 T2 20071115 - KERMEL [FR]  
• [Y] US 2011173734 A1 20110721 - MIKHAIL RAOUF [CA], et al  
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CN105401301A; CN105274703A; CN111778623A; EP3276059A4; US10544527B2

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)  
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