

Title (en)

MULTILAYER WOVEN FABRIC FOR PROTECTIVE CLOTHING FOR LIVE WORKING WITH THERMAL HAZARDS DUE TO ARCS

Title (de)

MEHRFACHGEWEBE FÜR SCHUTZKLEIDUNG BEI ARBEITEN UNTER SPANNUNG MIT THERMISCHEN GEFAHREN DURCH LICHTBOGEN

Title (fr)

TISSU MULTIPLE POUR VÊTEMENT DE PROTECTION CONTRE LES DANGERS THERMIQUES D'UN ARC ÉLECTRIQUE LORS DE TRAVAUX SOUS TENSION

Publication

EP 2820178 A1 20150107 (DE)

Application

EP 13708760 A 20130228

Priority

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Abstract (en)

[origin: WO2013127956A1] The invention relates to a textile sheet material, suitable as material for protective clothing against fault arcs, that fulfills the standards IEC 61482-1-1:2009 and/or IEC 61482-1-2: 2007 7 kA and/or DIN EN ISO 11611:2008 class 2. The sheet material comprises a first woven fabric and a second woven fabric connected to the first woven fabric, the warp and/or weft threads of which comprise aramide threads, aramide yarns, or aramide filament threads or threads made of mixed fibers, which contain polybenzimidazole fibers, polyamide imide fibers, and/or aramide fibers. The textile sheet material has a weight per unit area of less than 480 g/m², at least some of the warp thread lifts of the first woven fabric face the second woven fabric and represent connections (1) of the first woven fabric to the second woven fabric, and said connections (1) are not arranged adjacent to each other. The invention further relates to an article of clothing for live working with thermal hazards and/or flying sparks and to the use of a textile sheet material according to the invention as material for protective clothing for live working with thermal hazards due to arcs and/or hazards due to flying sparks.

IPC 8 full level

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Citation (search report)

See references of WO 2013127956A1

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