

Title (en)
Textile fireproofing method

Title (de)
Verfahren zum Feuerfestmachen von Webstoffen

Title (fr)
Procédé d'ignifugation de textiles.

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Application
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Abstract (en)
Treating fireproofing textiles, comprises (a) preparing a first bath comprising a composition having two components A and B, (b) impregnating the textile to be treated in the bath obtained in the step (a), (c) heat-drying the impregnated textile, during the polymerization reaction of the urea of component B and the phosphorous compound of component A, (d) stabilizing and neutralizing by an oxidation reaction of the polymer obtained in the step (c) in a second bath, (e) washing in water and drying the treated textile, and (f) recovering the fireproofed textile. Treating fireproofing textiles, comprises (a) preparing a first bath comprising a composition having two components A and B, where the component A comprises at least one phosphorous compound and the component B comprises urea and at least one pH buffer, (b) impregnating the textile to be treated in the bath obtained in the step (a) of which the pH is 4-6, (c) heat-drying the impregnated textile, during the polymerization reaction of the urea of component B and the phosphorous compound of component A, (d) stabilizing and neutralizing by an oxidation reaction of the polymer obtained in the step (c) in a second bath, (e) washing in water and drying the treated textile, and (f) recovering the fireproofed textile, where the second bath comprises, in addition to at least one oxidizing compound, a mixture of diacetone acrylamide and at least one organic acid dihydrazide.

Abstract (fr)
La présente invention concerne un procédé d'ignifugation de textiles basé sur une composition à deux composants comprenant : # un composant A comprenant au moins un composé phosphoré ; et # un composant B comprenant de l'urée et au moins un tampon pH, avec éventuellement un agent oxydant. Ledit procédé d'ignifugation de textiles comprend les étapes d'immersion desdits textiles dans ladite composition, de chauffage, d'oxydation puis de lavage desdits textiles qui présentent alors d'excellentes propriétés humano-écologiques, de confort, et ignifuges sur la durée.

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Citation (applicant)
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