

Title (en)

USE OF PROTEIN-CONTAINING COMPOSITIONS FOR PRODUCING FLAME-RETARDANT COATINGS AND ARTICLES

Title (de)

VERWENDUNG VON PROTEINHALTIGEN ZUSAMMENSETZUNGEN ZUR HERSTELLUNG FLAMMHEMMENDER BESCHICHTUNGEN UND GEGENSTÄNDE

Title (fr)

UTILISATION DE COMPOSITIONS À BASE DE PROTÉINES POUR PRODUIRE DES REVÊTEMENTS ET DES OBJETS IGNIFUGES

Publication

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Application

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Abstract (en)

[origin: WO2012097395A1] The invention relates to the use of protein-containing compositions for producing flame-retardant coatings or articles, the compositions comprising as flame retardant a combination of a) one or more proteins from an animal and/or plant source and b) one or more bases, selected from alkali metal and alkaline earth metal hydroxides, hydrogencarbonates and carbonates, and optionally c) one or more fillers and/or additives; and the compositions are prepared by dissolving or dispersing components a) to c), where present, in water or in an aqueous solvent system and mixing them, and the flame-retardant coating or flame-retardant article is subsequently produced by crosslinking of the protein component by the base or bases and drying to solidify and cure the compositions. The invention additionally relates to flame-retardant coatings and articles produced from the compositions.

IPC 8 full level

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