

Title (en)

FLEXIBLE FOAM WITH HALOGEN-FREE FLAME RETARDANT

Title (de)

WEICHSCHAUMSTOFF MIT HALOGENFREIEM FLAMMSCHUTZ

Title (fr)

MOUSSE SOUPLE COMPORTANT UN RETARDATEUR DE FLAMME NON HALOGÉNÉ

Publication

EP 3652230 A1 20200520 (DE)

Application

EP 18738322 A 20180711

Priority

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Abstract (en)

[origin: WO2019011956A1] The invention relates to flame-retardant flexible polyurethane foams with phosphazene and to methods for producing PUR flexible foams by reacting a component A containing: A1, an isocyanate-reactive component, A2, a propellant containing water, A3, optionally auxiliary agents and additives, and A4, a flame retardant, with B, an isocyanate component. The invention is characterized in that the flame retardant A4 contains a phosphazene according to the formula (I): [PmNmXk] (I), where X independently of one another represents O-aryl or NR-aryl, at least one aryl group is substituted, X can represent a bridge, R is selected from the group of H, C1-C4 alkyl, and aryl, and m represents a number from 1 to 5, particularly preferably 3 or 4, k depends on m and represents a number from 0 to 2m, and the phosphazene does not have any groups which are reactive towards isocyanates.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019011956A1

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