

Title (en)
FLAME RETARDANT COMPOSITION FOR THERMOPLASTIC MOLDING COMPOUNDS

Title (de)
FLAMMENSCHUTZMITTELZUSAMMENSETZUNG FÜR THERMOPLASTISCHE FORMMASSEN

Title (fr)
COMPOSITION IGNIFUGE POUR MATIÈRES À MOULER THERMOPLASTIQUES

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EP 10800954 A 20101229

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Abstract (en)
[origin: WO2011080306A2] The present invention relates to a halogen-free flame retardant composition. In order to provide a flame retardant composition that can be incorporated well into different synthetic materials, is easily compatible with the polymer matrix and exhibits good flame protection action, without significantly impairing the mechanical and electrical properties of the synthetic material, according to the invention the flame retardant composition contains at least one component a) selected from the group consisting of nitrogen bases, melamine derivatives, phosphates, pyrophosphates, polyphosphates, organic and inorganic phosphinates, organic and inorganic phosphonates, and derivatives of the above compounds, and at least one component b) selected from phosphorus-containing polyesters, which can be obtained by reacting phosphorus-containing monomers with each other and/or with ester-forming monomers.

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