

Title (en)
HALOGEN-FREE FLAME RETARDANT THERMOPLASTIC POLYMER COMPOSITIONS

Title (de)
HALOGENFREIE FLAMMHEMMENDE THERMOPLASTISCHE POLYMERZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS POLYMERES THERMOPLASTIQUES IGNIFUGEANTES EXEMPTES D'HALOGENE

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Application
EP 99969424 A 19990910

Priority
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• US 15718298 A 19980918
• US 15729198 A 19980918

Abstract (en)
[origin: WO0017268A1] Halogen-free flame retardant polymer compositions are made from an ABS resin as the sole resin, and a P, P'-dihydrocarbyl pentaerythrityl diphosphonate in which the total number of carbon atoms in the two hydrocarbyl substituents is 8 or less as the sole phosphorus-containing flame retardant, or form at least one thermoplastic polymer and a combination of at least one of the foregoing P, P'-dihydrocarbyl pentaerythrityl diphosphonates, and at least one arylbis (dihydrocarbylphosphate) and/or at least one arylbis (dihydrocarbylphosphinate). Effective flame retardancy (UL-94 V-0) is achieved without material disruption of physical property requirements of the substrate polymer.

IPC 1-7
C08K 5/51; **C08L 55/02**

IPC 8 full level
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CPC (source: EP)
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C-Set (source: EP)
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Citation (search report)
See references of WO 0017268A1

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