

Title (en)

Heat stabilized thermoplastic resins containing compounds with phosphorus to phosphorus bonds.

Title (de)

Gegen Wärme stabilisierte Thermoplaste, welche Verbindungen mit einer Phosphor-Phosphor Bindung enthalten.

Title (fr)

Résines thermoplastiques stabilisées contre la chaleur, contenant des composés ayant des liaisons phosphore-phosphore.

Publication

EP 0000544 A1 19790207 (EN)

Application

EP 78100439 A 19780719

Priority

US 81732677 A 19770720

Abstract (en)

[origin: US4111899A] This invention relates to thermoplastic resin compositions containing an organo-phosphorus compound. The organo-phosphorus compound has one of the formulas I. (R1) (R2) P(=X)_a - P(=X)_a (R1) (R2) II. (P - R1)_n III. (R1) (R2) P(=X)_a - P(R3) - P(=X)_a (R1) (R2) wherein a is independently 0 or 1, n is 3 to 6, X is oxygen or sulfur, R1, R2 and R3 are independently dialkylamino, alkoxy, aryloxy, alkyl, aryl, alkaryl, aralkyl, or R1 and R2 taken with the phosphorus atom represent a cyclic structure having only carbon, phosphorus and oxygen atoms in the cyclic structure. The thermoplastic resin compositions of this invention are resistant to discoloration.

IPC 1-7

C08K 5/49; **C08L 69/00**

IPC 8 full level

C07F 9/08 (2006.01); **C07F 9/28** (2006.01); **C08K 5/00** (2006.01); **C08K 5/51** (2006.01); **C08K 5/5398** (2006.01); **C08L 1/00** (2006.01); **C08L 7/00** (2006.01); **C08L 21/00** (2006.01); **C08L 23/00** (2006.01); **C08L 27/00** (2006.01); **C08L 33/00** (2006.01); **C08L 33/02** (2006.01); **C08L 51/00** (2006.01); **C08L 51/02** (2006.01); **C08L 67/00** (2006.01); **C08L 101/00** (2006.01)

CPC (source: EP US)

C07F 9/08 (2013.01 - EP US); **C07F 9/28** (2013.01 - EP US); **C08K 5/51** (2013.01 - EP US); **C08K 5/5398** (2013.01 - EP US)

C-Set (source: EP US)

1. **C08K 5/51** + **C08L 67/00**
2. **C08K 5/51** + **C08L 69/00**

Citation (search report)

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- US 3032591 A 19620501 - HENDERSON JR WILLIAM A, et al
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