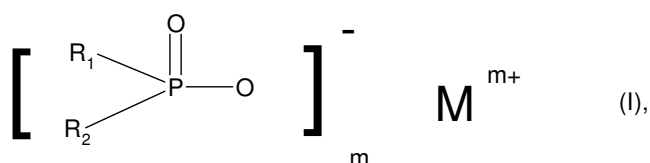


Abstract

Flame-retardant polyester compositions and the use thereof

5 The invention relates to flame-retardant polyester compositions comprising

- thermoplastic polyester as component A,
- fillers and/or reinforcers as component B,
- phosphinic salt of the formula (I) as component C



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in which R_1 and R_2 are ethyl,

M is Al, Fe, TiO_p or Zn,

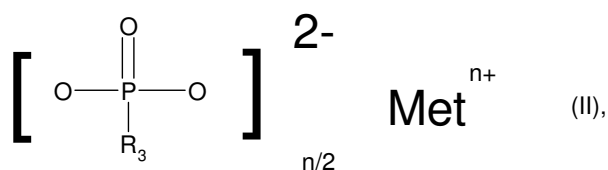
m is 2 to 3, and

$p = (4 - m) / 2$

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- compound selected from the group of the Al, Fe, TiO_p and Zn salts of ethylbutylphosphinic acid, of dibutylphosphinic acid, of ethylhexylphosphinic acid, of butylhexylphosphinic acid and/or of dihexylphosphinic acid as component D
- phosphonic salt of the formula II as component E

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in which R_3 is ethyl,

Met is Al, Fe, TiO_q or Zn,

n is 2 to 3, and

$q = (4 - n) / 2$,

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- inorganic phosphonate as component F, and

- wax selected from the group consisting of the polyolefin waxes, amide waxes, natural waxes, long-chain aliphatic carboxylic acids and/or esters or salts thereof as component G.
- 5 The polyester compositions can be used for production of fibers, films and moldings, especially for uses in the electricals and electronics sector.

[No Suitable Figure]