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(54) Title: REACTIVE PHOSPHOROUS CONTAINING FLAME RETARDANT AND INTRINSICALLY FLAME RETARDANT POLYMER OBTAINABLE BY POLYCONDENSATION WITH IT

(57) Abstract: The invention relates to a phosphorous containing monomer and a process thereof. Furthermore, the invention relates to a phosphorous containing polymer comprising said monomer and a production process thereof. The phosphorous containing polymer of the invention is useful as flame-retardant polymer. Additionally, the invention relates to a thermoplastic polymer composition comprising said phosphorous containing polymer and optionally a further thermoplastic polymer. The thermoplastic polymer composition can be used for the production of molded articles or yarns having excellent flame-retardant properties in order to ensure adequate fire protection.

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