

Title (en)
FLAME-RETARDANT POLYAMIDE COMPOSITIONS WITH A HIGH HEAT DEFLECTION TEMPERATURE, AND USE THEREOF

Title (de)
FLAMMHEMMENDE POLYAMIDZUSAMMENSETZUNGEN MIT HOHER WÄRMEFORMBESTÄNDIGKEIT UND DEREN VERWENDUNG

Title (fr)
COMPOSITIONS DE POLYAMIDE IGNIFUGES AYANT UNE RÉSISTANCE À LA DÉFORMATION À CHAUD ÉLEVÉE ET LEUR UTILISATION

Publication
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Application
EP 18752742 A 20180808

Priority

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Abstract (en)
[origin: WO2019030253A1] The invention relates to flame-retardant polyamide compositions with a heat deflection temperature HDT-A of at least 280 °C, containing - a polyamide with a melting point of greater than or equal to 290 °C as component A, - fillers and/or reinforcing materials as component B, - a phosphinic acid salt of formula (I) as component C, wherein R1 and R2 represent ethyl, M represents Al, Fe, TiOp or Zn, m represents 2 to 3, and $p = (4 - m) / 2$ - a compound selected from the group containing Al-, Fe-, TiOp- or Zn-salts of ethylbutyl phosphinic acid, dibutyl phosphinic acid, ethylhexyl phosphinic acid, butylhexyl phosphinic acid and/or dihexyl phosphinic acid as component D, and - a phosphinic acid salt of formula (II) as component E, where R3 represents ethyl, Met represents Al, Fe, TiOq or Zn, n represents 2 to 3, and $q = (4 - n) / 2$. The polyamide compositions can be used to produce fibres, films and moulded bodies, in particular for electrical and electronic applications.

IPC 8 full level
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Citation (search report)
See references of WO 2019030253A1

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