

Title (en)
THERMOPLASTIC, POLYMERIC MATERIALS PROVIDING HIGH IR ABSORPTION, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF

Title (de)
THERMOPLASTISCHE, POLYMERE WERKSTOFFE MIT HOHER IR-ABSORPTION, VERFAHREN ZU DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)
MATERIAUX POLYMERES THERMOPLASTIQUES A ABSORPTION IR ELEVEE, LEURS PROCEDES DE PRODUCTION ET LEUR UTILISATION

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Application
EP 04798094 A 20041126

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Abstract (en)
[origin: WO2005052049A1] Disclosed are thermoplastic, polymeric materials that provide high IR absorption and contain at least one inorganic metal phosphate of general formula $Me_x(PO_4)_y(OH)_z$, wherein Me represents one or several elements from the group comprising Cu, Fe, Mn, Sb, Zn, Ti, Ni, Co, V, Mg, Bi, Be, Al, Ce, Ba, Sr, Na, K, Ge, Ga, Ca, Cr, In, or Sn while x and y are integers and $x = (1 \dots 18)$, $y = (1 \dots 12)$, and $z = (0.2 \dots 10)$, the inorganic metal phosphate optionally also containing water of crystallization.

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