

Title (en)
FLAME-RESISTANT POLYCARBONATE ABS MOULDING MATERIALS

Title (de)
FLAMMWIDRIGE POLYCARBONAT/ABS-FORMMASSEN

Title (fr)
MATIERES MOULEES EN POLYCARBONATE/PLASTIQUE ABS ININFLAMMABLES

Publication
EP 1095098 A1 20010502 (DE)

Application
EP 99929192 A 19990612

Priority
• DE 19828538 A 19980626
• EP 9904061 W 19990612

Abstract (en)
[origin: DE19828538A1] Thermoplastic molding material based on polycarbonate or polyester-carbonate contains a graft copolymer (B) made by emulsion polymerization with an initiator comprising organic hydroperoxide and ascorbic acid, plus a phosphazene component (D) and optionally other components. Thermoplastic molding materials containing: (A) 40-99 parts by weight (pts. wt.) aromatic polycarbonate and/or polyester-carbonate; (B) 0.5-60 pts. wt. graft copolymer of (B1) 5-95 wt.% vinyl monomer(s) on (B2) 95-5 wt.% diene rubber particles with a glass transition temperature (T_g) of below 10 deg C, which is obtained by emulsion polymerization using an initiator system comprising organic hydroperoxide and ascorbic acid for the graft polymerization; (C) 0-45 pts. wt. thermoplastic polymer(s) selected from vinyl (co)polymers and polyalkylene terephthalates; (D) 0.1-50 pts. wt. phosphazene(s) of formula (Ia) and/or (Ib): in which: R = amino, optionally halogenated 1-8C alkyl, 1-8C alkoxy, or optionally alkyl- and/or halogen-substituted 5-6C cycloalkyl, 6-20C aryl or aryloxy or 7-12C aralkyl; k = 0 or 1-15; and (E) 0-5 pts. wt. fluorinated polyolefin. Independent claims are also included for: (a) a process for the production of these materials by mixing and melt-compounding the components, optionally with other additives; (b) molded products produced from these materials, especially casing parts.

IPC 1-7
C08K 5/5399; **C08L 69/00**

IPC 8 full level
C08K 5/5399 (2006.01); **C08L 51/04** (2006.01); **C08L 69/00** (2006.01); **C09K 21/14** (2006.01)

CPC (source: EP US)
C08K 5/5399 (2013.01 - EP US); **C08L 51/04** (2013.01 - EP US); **C08L 69/00** (2013.01 - EP US); **C09K 21/14** (2013.01 - EP US)

Citation (search report)
See references of WO 0000543A1

Designated contracting state (EPC)
BE CH DE DK ES FI FR GB IT LI NL

DOCDB simple family (publication)
DE 19828538 A1 19991230; AR 016727 A1 20010725; AU 4609199 A 20000117; BR 9911580 A 20010508; CA 2336252 A1 20000106; CN 1146629 C 20040421; CN 1307609 A 20010808; EP 1095098 A1 20010502; HK 1039138 A1 20020412; JP 2002519463 A 20020702; JP 2010065237 A 20100325; KR 100617431 B1 20060831; KR 20010053163 A 20010625; TW 565590 B 20031211; US 6747078 B1 20040608; WO 0000543 A1 20000106

DOCDB simple family (application)
DE 19828538 A 19980626; AR P990103068 A 19990625; AU 4609199 A 19990612; BR 9911580 A 19990612; CA 2336252 A 19990612; CN 99807929 A 19990612; EP 9904061 W 19990612; EP 99929192 A 19990612; HK 02100648 A 20020128; JP 2000557301 A 19990612; JP 2009295763 A 20091225; KR 20007014737 A 20001223; TW 88109864 A 19990614; US 72027300 A 20001221