

Title (en)
FLAME RETARDANT POLYMER BLENDS

Title (de)
FLAMMHEMMENDE POLYMERMISCHUNGEN

Title (fr)
MELANGES POLYMERES IGNIFUGES

Publication
EP 1056803 A1 20001206 (EN)

Application
EP 99907105 A 19990217

Priority
• US 9903418 W 19990217
• US 3253398 A 19980227

Abstract (en)
[origin: WO9943747A1] An antimony-free combination of a phosphate-based flame retardant, especially an aryl diphosphate, and an organoclay afford synergistic flame retardant properties to polymer blends, especially polyphenylene ether-polystyrene blends and blends of polycarbonates with styrene copolymers such as ABS copolymers. The polyphenylene ether-polystyrene blends free from fluorocarbon additives are preferred.

IPC 1-7
C08K 5/523; **C08L 69/00**; **C08L 71/12**; **C08K 9/04**

IPC 8 full level
C08L 101/00 (2006.01); **C08K 5/523** (2006.01); **C08K 9/04** (2006.01); **C08L 69/00** (2006.01); **C08L 71/12** (2006.01)

CPC (source: EP)
C08K 5/523 (2013.01); **C08K 9/04** (2013.01); **C08L 69/00** (2013.01); **C08L 71/123** (2013.01)

C-Set (source: EP)
1. **C08K 5/523** + **C08L 71/12**
2. **C08L 69/00** + **C08L 55/02**
3. **C08L 69/00** + **C08L 25/00**
4. **C08L 71/123** + **C08L 2666/04**

Citation (search report)
See references of WO 9943747A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
WO 9943747 A1 19990902; EP 1056803 A1 20001206; JP 2002504611 A 20020212; TW 442530 B 20010623

DOCDB simple family (application)
US 9903418 W 19990217; EP 99907105 A 19990217; JP 2000533493 A 19990217; TW 88102570 A 19990222