

Title (en)
FLAME RETARDANT POLYCARBONATE

Title (de)
FLAMMHEMMEENDES POLYCARBONAT

Title (fr)
POLYCARBONATE RETARDATEUR DE FLAMME

Publication
EP 2970661 A4 20161012 (EN)

Application
EP 14779330 A 20140305

Priority
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Abstract (en)
[origin: WO2014164096A1] The present invention provides a thermoplastic molding composition comprising A) 60 to 99 percent by weight (pbw) aromatic poly(ester) carbonate having a weight-average molecular weight of at least 25,000, B) 1 to 20 parts per 100 parts resin (phr) graft (co)polymer having a core-shell morphology, comprising a grafted shell that contains polymerized alkyl(meth)acrylate and a composite rubber core that contains interpenetrated and inseparable polyorganosiloxane and poly(meth)alkyl acrylate where the weight ratio of polyorganosiloxane/ poly(meth)alkylacrylate/ grafted shell is 70-90/5-15/5-15, C) 2 to 20 phr phosphorus-containing compound, and D) 0.1 to 15 phr boron compound having average particle diameter of 2 to 10 microns.

IPC 8 full level
C08L 69/00 (2006.01); **C08K 3/38** (2006.01); **C08K 5/521** (2006.01); **C08L 51/04** (2006.01); **C08K 5/523** (2006.01)

CPC (source: EP)
C08K 3/38 (2013.01); **C08L 51/085** (2013.01); **C08L 69/00** (2013.01); **C08K 5/523** (2013.01)

C-Set (source: EP)
C08L 69/00 + C08K 3/38 + C08K 5/523 + C08L 51/085

Citation (search report)
• [X] US 2008214731 A1 20080904 - LI XIANGYANG [US]
• [X] US 7977415 B2 20110712 - ROGUNOVA MARINA [US]
• [A] US 2012074617 A1 20120329 - ECKEL THOMAS [DE], et al
• [A] WO 2004013228 A1 20040212 - BAYER AG [DE], et al
• See references of WO 2014164096A1

Designated contracting state (EPC)
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