

Title (en)

FLAME-RESISTANT POLYCARBONATE COMPOSITIONS

Title (de)

FLAMMWIDRIGE POLYCARBONAT-ZUSAMMENSETZUNGEN

Title (fr)

COMPOSES DE POLYCARBONATE RETARDATEURS DE COMBUSTION

Publication

**EP 1309655 A1 20030514 (DE)**

Application

**EP 01960495 A 20010712**

Priority

- DE 10036057 A 20000725
- EP 0108042 W 20010712

Abstract (en)

[origin: WO0208329A1] The invention relates to flame-resistant polycarbonate compositions containing a phosphorus compound of formula (I) wherein Y represents isopropylidene, wherein the composition content of isopropyl phenyl phosphate is less than 1 % wt in relation to mass of the phosphorus compound thus used. The inventive compositions have excellent flame-resistant and very good mechanical properties in addition to possessing a high heat defelection point.

IPC 1-7

**C08K 5/523**; C07F 9/12; C09K 21/12; C08K 5/00; C08L 69/00

IPC 8 full level

**C08J 5/00** (2006.01); **C08K 5/00** (2006.01); **C08K 5/51** (2006.01); **C08K 5/523** (2006.01); **C08L 69/00** (2006.01); **C08L 77/00** (2006.01); **C09K 21/12** (2006.01); **C09K 21/14** (2006.01); **C08L 25/00** (2006.01); **C08L 51/04** (2006.01); **C08L 67/02** (2006.01)

CPC (source: EP KR US)

**C08K 5/0066** (2013.01 - EP US); **C08K 5/523** (2013.01 - EP KR US); **C08L 69/00** (2013.01 - EP US); **C08L 69/005** (2013.01 - EP US); **C09K 21/12** (2013.01 - EP US); **C09K 21/14** (2013.01 - EP US); **C08L 25/00** (2013.01 - EP US); **C08L 51/04** (2013.01 - EP US); **C08L 67/02** (2013.01 - EP US)

Citation (search report)

See references of WO 0208329A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0208329 A1 20020131**; AU 8197801 A 20020205; BR 0112700 A 20030701; CA 2416875 A1 20030122; CN 1444625 A 20030924; DE 10036057 A1 20020207; EP 1309655 A1 20030514; JP 2004504466 A 20040212; KR 20030020408 A 20030308; MX PA03000687 A 20031015; TW 548306 B 20030821; US 2002147256 A1 20021010

DOCDB simple family (application)

**EP 0108042 W 20010712**; AU 8197801 A 20010712; BR 0112700 A 20010712; CA 2416875 A 20010712; CN 01813333 A 20010712; DE 10036057 A 20000725; EP 01960495 A 20010712; JP 2002514228 A 20010712; KR 20037001114 A 20030124; MX PA03000687 A 20010712; TW 90117495 A 20010718; US 91126801 A 20010723