

Title (en)

HIGH IMPACT POLYSTYRENE CONTAINING LOW MOLECULAR WEIGHT BROMINATED POLYSTYRENE

Publication

**EP 0431119 A4 19921209 (EN)**

Application

**EP 90909421 A 19900604**

Priority

US 36212989 A 19890606

Abstract (en)

[origin: WO9015095A1] Effective amounts of low molecular weight brominated polystyrenes unexpectedly provide good property retention and yet achieve desired flame retardance, for example, UL-94 VO in high impact polystyrene. In contrast, high molecular weight brominated styrene polymers (degree of polymerization equals 2,000) do not provide good property retention such as impact strength and toughness in high impact polystyrene. The degree of polymerization of the brominated polystyrenes of the present invention is generally from about 3 to about 20 and can have a considerable variation in the amount of halogenation. The high impact polystyrenes blended with the low molecular weight brominated polystyrenes are readily processed by conventional equipment.

IPC 1-7

**C08K 3/16**; **C09K 21/00**

IPC 8 full level

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CPC (source: EP KR)

**C08K 3/16** (2013.01 - KR); **C08L 25/06** (2013.01 - EP); **C08L 51/003** (2013.01 - EP); **C08L 25/18** (2013.01 - EP)

Citation (search report)

- [X] EP 0013051 A1 19800709 - STAMICARBON [NL]
- [X] WO 8702998 A1 19870521 - GEN ELECTRIC [US]
- See references of WO 9015095A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**US 9003150 W 19900604**; AU 5833890 A 19900604; CA 2033332 A 19900604; EP 90909421 A 19900604; JP 50885290 A 19900604; KR 910700136 A 19910206