Title (en)

IMPROVING THE TOUGHNESS AND PROCESSIBILITY OF HIGH HEAT POLYCARBONATE COMPOSITIONS

Publication

EP 0450055 A4 19920909 (EN)

Application

EP 90916965 A 19901023

Priority

US 42578589 A 19891023

Abstract (en)

[origin: WO9105823A1] Compositions of polycarbonate having good resistance to thermal deformation, good impact resistance and reduced notch sensitivity are formed from a high heat polycarbonate, an elastomeric toughening agent such as a thermoplastic or core-shell rubber, and a flow modifier such as an olefin/carbon monoxide copolymer, a styrenic thermoplastic resin, a polyester or a polyamide. The presence of the flow modifier in the composition reduces the viscosity of the high heat polycarbonate and thus the temperature at which it can be processed or compounded. Compounding at such lower temperature allows formation of the composition at a temperature which is low enough that the toughening agent will not be degraded. The flow modifier should be added to the composition no later than the addition of the toughening agent so that there is an opportunity for the flow modifier to perform this function.

IPC 1-7

C08L 69/00

IPC 8 full level

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CPC (source: EP)

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C-Set (source: EP)

C08L 69/00 + **C08L 2666/02**

Citation (search report)

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- See references of WO 9105823A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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