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(54) Title: UV–STABILIZED AND OTHER MODIFIED POLYCARBONATES AND METHOD OF MAKING SAME

(57) Abstract

UV–stabilized or other modified polycarbonates are prepared by combining polycarbonate, a radical polymerization initiator and a UV–stabilizer–molecule or other additive such as a flame retardant or IR additive containing a reactive group susceptible to a radical attack in a melt. In the melt, the UV–stabilizer or other additive is graft polymerized to the polycarbonate to form a modified polycarbonate. The method can be practiced using bis–phenol–A (BPA) polycarbonates, soft–segment polycarbonates and high heat polycarbonates. The reaction may be performed in an extruder.