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**(54) Title (EN):** METHOD FOR MAKING FIRE-RETARDED GLASS-FILLED POLYCARBONATE AND RELATED COMPOSITIONS

**(54) Title (FR):** PROCEDE DE FABRICATION DE POLYCARBONATE AU VERRE IGNIFUGE ET COMPOSITIONS ASSOCIEES

**(57) Abstract:**

**(EN):** It has now been surprisingly found that addition of a phosphorous-containing oxy acid to a glass-filled polycarbonate composition substantially improves its fire retardant performance. Thus, the present invention provides a method for making a flameretarded glass-filled polycarbonate resin comprising adding to the resin an effective flame-retardant amount of a phosphorous-containing oxy acid. Where appropriate, the melt strength of the polycarbonate is enhanced by the addition of an antidrip agent and the performance can be further enhanced by the addition of a flame retardant. Use of such a composition results in superior fire-retardant performance.

**(FR):** On a eu la surprise de découvrir que l'adjonction d'un oxyde acide phosphoré à une composition de polycarbonate au verre en améliorerait sensiblement les capacités ignifuges, d'où la présente invention qui porte sur un procédé de fabrication de résine de polycarbonate au verre ignifuge consistant à ajouter à la résine une quantité efficace d'oxyde acide phosphoré. Si nécessaire la résistance à chaud du polycarbonate est renforcée par l'adjonction d'un agent anti-coulures et ses performances peuvent être encore améliorées par l'adjonction d'un produit ignifuge. De telles compositions présentent d'excellentes capacités ignifuges.

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