

Title (en)

COPOLYMERS CONTAINING POLYBENZOXAZOLE, POLYBENZOTHAZOLE AND POLYBENZIMIDAZOLE MOIETIES

Publication

**EP 0392008 A4 19910904 (EN)**

Application

**EP 89912725 A 19891006**

Priority

- US 25633888 A 19881011
- US 32792589 A 19890323
- US 37836089 A 19890707
- US 40797389 A 19890915

Abstract (en)

[origin: EP0368006A2] Block copolymers can be formed from heterocyclic polymers such as PBO and thermoplastic polymers such as polyamide or poly(aromatic ether ketone). The block copolymer compositions are thermoplastic and do not experience substantial phase separation, even at about their glass transition temperature. The block copolymer compositions can be formed into fibers, films and laminate or compression-molded articles. PBO, PBI and PBT polymers terminated by active aromatic rings or acylating groups are particularly useful for making the block copolymers

IPC 1-7

**C08G 75/32**; **C08G 73/22**; **C08G 73/18**

IPC 8 full level

**C08G 69/40** (2006.01); **C08G 65/40** (2006.01); **C08G 67/00** (2006.01); **C08G 69/42** (2006.01); **C08G 69/48** (2006.01); **C08G 73/06** (2006.01); **C08G 73/10** (2006.01); **C08G 73/18** (2006.01); **C08G 73/22** (2006.01); **C08G 75/00** (2006.01); **C08G 75/20** (2016.01); **C08G 75/32** (2006.01); **C08G 81/00** (2006.01); **C08L 71/00** (2006.01)

CPC (source: EP KR)

**C08G 65/4012** (2013.01 - EP); **C08G 73/18** (2013.01 - EP); **C08G 73/22** (2013.01 - EP); **C08G 75/32** (2013.01 - EP KR); **C08G 81/00** (2013.01 - EP KR); **C08L 71/00** (2013.01 - EP); **C08L 2205/05** (2013.01 - EP)

C-Set (source: EP)

**C08L 71/00** + **C08L 2666/20**

Citation (search report)

- EP 0178185 A2 19860416 - RAYCHEM CORP [US]
- US 4079039 A 19780314 - GERBER ARTHUR H
- US 3671491 A 19720620 - LOFT JOHN T, et al
- US 3763210 A 19731002 - HEATH D, et al
- See also references of WO 9003995A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0368006 A2 19900516**; **EP 0368006 A3 19910327**; **EP 0368006 B1 19950405**; CA 2000455 A1 19900411; DE 68922067 D1 19950511; DE 68922067 T2 19951026; EP 0392008 A1 19901017; EP 0392008 A4 19910904; JP H03501751 A 19910418; KR 900701899 A 19901205; KR 930006927 B1 19930724; WO 9003995 A1 19900419

DOCDB simple family (application)

**EP 89118821 A 19891010**; CA 2000455 A 19891011; DE 68922067 T 19891010; EP 89912725 A 19891006; JP 51175489 A 19891006; KR 900701218 A 19900608; US 8904464 W 19891006