

Title (en)

POLYMER COMPOSITION COMPRISING A MODIFYING AGENT

Title (de)

POLYMERZUSAMMENSETZUNG MIT MODIFIZIER-ZUSATZ

Title (fr)

COMPOSITION POLYMERES COMPRENANT UN AGENT DE MODIFICATION

Publication

EP 0925332 A1 19990630 (EN)

Application

EP 97940998 A 19970910

Priority

- US 9716019 W 19970910
- US 71016196 A 19960912

Abstract (en)

[origin: WO9811166A1] Novel modifying agents contain a sharply-melting crystalline polymer ingredient, preferably a side chain crystalline (SCC) moiety, and an active chemical ingredient which is physically but not chemically bound to the polymeric ingredient. Such modifying agents, especially when in the form of particles, can be placed in contact with a matrix, will not modify the matrix below the crystalline melting point T_p , but will rapidly modify the matrix above T_p . The active chemical ingredient can react with the matrix, catalyse a reaction of the matrix, or inhibit a reaction of the matrix. Also described are various compositions which comprise (1) a matrix material, e.g. an epoxy resin precursor, (2) a modifying agent containing a sharply melting crystalline polymer ingredient and an active chemical ingredient (which may be physically or chemical bound to the polymeric ingredient), and (3) an additional ingredient which confers desired properties on the mixture or on a product obtained from the mixture.

IPC 1-7

C08L 101/00

IPC 8 full level

C08L 63/00 (2006.01); **C08L 75/04** (2006.01); **C08L 101/00** (2006.01)

CPC (source: EP)

C08L 101/00 (2013.01)

C-Set (source: EP)

C08L 101/00 + C08L 2666/14

Citation (search report)

See references of WO 9811166A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 9811166 A1 19980319; AU 4265297 A 19980402; EP 0925332 A1 19990630; JP 2001500187 A 20010109

DOCDB simple family (application)

US 9716019 W 19970910; AU 4265297 A 19970910; EP 97940998 A 19970910; JP 51382398 A 19970910