Title (en)

METHOD FOR PRODUCING RUBBER-ELASTIC MICROSUSPENSION (GRAFT) POLYMERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KAUTSCHUKELASTISCHEN MIKROSUSPENSIONS(PFROPF)POLYMERISATEN

Title (fr)

PROCEDE DE FABRICATION DE POLYMERISATS (GREFFES) EN MICROSUSPENSION AYANT L'ELASTICITE DU CAOUTCHOUC

Publication

EP 1049732 A1 20001108 (DE)

Application

EP 99902551 A 19990119

Priority

- DE 19802094 A 19980121
- EP 9900305 W 19990119

Abstract (en)

[origin: DE19802094A1] Production of an elastomeric (graft)polymer micro-suspension comprises dispersion of a mixture comprising ethylenically unsaturated monomers, crosslinking monomers and aliphatic hydrocarbon polymer; polymerisation of the droplets using a radical polymerisation initiator; and optionally graft polymerisation of the resulting mixture in the presence of ethylenically unsaturated monomers. Production of an elastomeric (graft)polymer micro-suspension (A) comprises (a) dispersion of a mixture comprising (A11) 30-99.9 wt.% ethylenically unsaturated monomers, (A12) 0-20 wt.% crosslinking monomers and (A13) 0.1-50 wt.% aliphatic hydrocarbon polymer having a Tg of less than 0degreesC, (b) polymerisation of the droplets using a radical polymerisation initiator, and optionally (c) graft polymerisation of the resulting mixture in the presence of ethylenically unsaturated monomers. Independent claims are included for (i) the elastomeric (graft) polymer micro-suspension (A); (ii) a molding composition comprising (A) 1-85 wt.% graft polymer, (B)15-99 wt.% of a polymer matrix consisting of polymers of styrene, alpha -methylstyrene, acrylonitrile, methacrylonitrile and/or (meth)acrylic acid ester, (C) 0-50 wt.% fibrous and/or particulate fillers, and (D) 0-40 wt.% other additives; and (iii) fibers, film or molded articles prepared from the molding composition.

IPC 1-7

C08F 265/04; C08F 255/10; C08F 255/00; C08F 285/00; C08L 51/04

IPC 8 full level

C08F 2/18 (2006.01); **C08F 255/08** (2006.01)

CPC (source: EP)

C08F 2/18 (2013.01); **C08F 255/08** (2013.01)

Citation (search report)

See references of WO 9937700A1

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

DE 19802094 A1 19990722; EP 1049732 A1 20001108; WO 9937700 A1 19990729

DOCDB simple family (application)

DE 19802094 A 19980121; EP 9900305 W 19990119; EP 99902551 A 19990119