

Title (en)

A METHOD OF PREPARING A POLYMER COMPOSITION

Title (de)

EIN VERFAHREN ZUR HERSTELLUNG EINER POLYMERZUSAMMENSETZUNG

Title (fr)

PROCEDE DE PREPARATION D'UNE COMPOSITION POLYMERE

Publication

EP 1068267 A1 20010117 (EN)

Application

EP 99908782 A 19990323

Priority

- DK 9900156 W 19990323
- DK 40498 A 19980323

Abstract (en)

[origin: WO9948975A1] The present invention relates to a method of preparing a highly filled polymer composition such as a flame retardant or reinforced polymer composition wherein the polymer and the filler are chemically bonded to each other. The method comprises the step of i) mixing together filler, mono- or di-carboxylic acid or anhydride thereof, radical generator and thermoplastic polymer, under conditions where said at least one radical generator is not activated; ii) activating the radical generator to form a chemical bonding between di-carboxylic acid or anhydride thereof and polymer. The method is simple and economical acceptable, and results in a highly filled polymer composition which have good mechanical strength.

IPC 1-7

C08L 23/04; **C08K 5/09**; **C08K 3/18**

IPC 8 full level

C08F 255/02 (2006.01); **C08L 23/02** (2006.01); **C08L 51/06** (2006.01)

CPC (source: EP)

C08F 255/026 (2013.01); **C08L 23/02** (2013.01); **C08L 51/06** (2013.01); **C08L 2201/02** (2013.01)

Citation (search report)

See references of WO 9948975A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9948975 A1 19990930; AU 2827099 A 19991018; EP 1068267 A1 20010117

DOCDB simple family (application)

DK 9900156 W 19990323; AU 2827099 A 19990323; EP 99908782 A 19990323