

Title (en)

PROCESS FOR PREPARATION OF RUBBER SILICA MASTERBATCHES BASED ON THE USE OF POLYMER LATICES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SILICON-GUMMI MASTERBATCHES DURCH VERWENDUNG VON POLYMERLATICES

Title (fr)

PROCEDE DE PREPARATION DE MELANGES MAITRES DE SILICE-CAOUTCHOUC A BASE DE LATEX DE POYMERES

Publication

EP 1208145 A2 20020529 (EN)

Application

EP 00956405 A 20000807

Priority

- EP 0007634 W 20000807
- US 14819699 P 19990810

Abstract (en)

[origin: WO0110946A2] The present invention relates to a filled polymer masterbatch based on polymers derived from latices, and to a process for preparing it. In one of its embodiments, the present invention relates to the hydrophobicizing of particles, particularly mineral particles that are hydrophilic and have surface hydroxyl groups, for example, silica, silicates, clay, alumina, titanium dioxide and the like. The invention also extends, however, to treatment of non-mineral particles, for instance carbon black. In another of its embodiments, the present invention also relates to a filled, particularly silica-filled, polymer latex. In yet another embodiment, the invention relates to a silica-rubber masterbatch, and to a process for preparing it.

IPC 1-7

C08K 5/00

IPC 8 full level

B60C 1/00 (2006.01); **C08J 3/22** (2006.01); **C08J 5/00** (2006.01); **C08K 9/04** (2006.01); **C08L 21/02** (2006.01); **C09D 5/02** (2006.01); **C09D 7/12** (2006.01); **C09D 121/00** (2006.01); **C09D 201/00** (2006.01)

CPC (source: EP KR)

C08J 3/22 (2013.01 - KR); **C08K 9/04** (2013.01 - EP KR); **C08L 21/02** (2013.01 - KR)

Citation (search report)

See references of WO 0110946A2

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 0110946 A2 20010215; **WO 0110946 A3 20020307**; AU 6836000 A 20010305; BR 0013088 A 20020423; CA 2381514 A1 20010215; EP 1208145 A2 20020529; JP 2003506549 A 20030218; KR 20020021407 A 20020320

DOCDB simple family (application)

EP 0007634 W 20000807; AU 6836000 A 20000807; BR 0013088 A 20000807; CA 2381514 A 20000807; EP 00956405 A 20000807; JP 2001515748 A 20000807; KR 20027001866 A 20020209