

Title (en)

PROCESS FOR TREATING PARTICLES, AND THEIR USE IN DISPERSIONS

Title (de)

VERFAHREN ZUR BEHANDLUNG VON TEILCHEN, UND VERWENDUNG IN DISPERSIONEN

Title (fr)

PROCEDE DE TRAITEMENT DE PARTICULES ET UTILISATION DE CES PARTICULES DANS DES DISPERSIONS

Publication

EP 1155077 A1 20011121 (EN)

Application

EP 99972657 A 19991122

Priority

- CA 9901097 W 19991122
- CA 2254315 A 19981120

Abstract (en)

[origin: WO0031175A1] Particles are hydrophobicized by in situ formation of a moiety containing amino and silane groups. The invention is particularly useful for treating hydrophilic inorganic particles to provide the functionality of a coupling agent without the need to react the hydrophilic inorganic particles with a coupling agent, per se. The treated particles can be used, for example, as a compounding agent for polymers.

IPC 1-7

C08K 5/54; **C08K 9/06**

IPC 8 full level

C08K 9/06 (2006.01); **C08K 5/548** (2006.01); **C08K 9/02** (2006.01); **C08L 101/00** (2006.01); **C09C 3/12** (2006.01); **C09D 17/00** (2006.01)

CPC (source: EP KR)

C07F 7/02 (2013.01 - KR); **C08K 5/548** (2013.01 - EP); **C08K 9/02** (2013.01 - EP)

Citation (search report)

See references of WO 0031175A1

Cited by

WO2019219819A2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 0031175 A1 20000602; AU 1145500 A 20000613; BR 9915530 A 20010731; CA 2254315 A1 20000520; EP 1155077 A1 20011121; JP 2002530500 A 20020917; KR 20010107973 A 20011207; TW 401316 B 20000811

DOCDB simple family (application)

CA 9901097 W 19991122; AU 1145500 A 19991122; BR 9915530 A 19991122; CA 2254315 A 19981120; EP 99972657 A 19991122; JP 2000583997 A 19991122; KR 20017006302 A 20010518; TW 87119306 A 19981120