

Title (en)  
GRAFT COPOLYMER, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF

Title (de)  
PFROPF-COPOLYMER, VERFAHREN ZU DESSEN HERSTELLUNG UND SEINE VERWENDUNG

Title (fr)  
COPOLYMÈRE GREFFÉ, PROCÉDÉ DE FABRICATION ET UTILISATION

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Application  
**EP 08750360 A 20080521**

Priority  
EP 2008056240 W 20080521

Abstract (en)  
[origin: WO2009141007A1] The invention relates to a graft copolymer on the basis of a component a), comprising silica, which has been converted using unsaturated silane, and a sulfonic acid-containing polymer component b). The silica used is preferably nanosilica, and the unsaturated silane is an ethylenically unsaturated alkoxy silane. Component b) is represented by a copolymer on the basis of AMPS and a further ethylenically unsaturated monomer. The polymer according to the invention, which generally constitutes a nanocomposite, is excellently suited as an additive in construction chemistry applications and for the development, extraction and completion of underground crude oil and natural gas deposits, wherein the effect thereof as a water retention agent is particularly advantageous for high salinity and elevated temperatures.

IPC 8 full level  
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