

Title (en)

FUNCTIONALIZED SILICA FOR SILICA WET MASTERBATCHES AND STYRENE BUTADIENE RUBBER COMPOSITIONS

Title (de)

FUNKTIONALISIERTE KIESELSÄURE FÜR KIESELSÄURE-NASSMASTERBATCHES UND STYROL-BUTADIEN-KAUTSCHUKZUSAMMENSETZUNGEN

Title (fr)

SILICE FONCTIONNALISÉE DESTINÉE À DES MÉLANGES-MAÎTRES DE SILICE HUMIDES ET À DES COMPOSITIONS DE CAOUTCHOUC STYRÈNE-BUTADIÈNE

Publication

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Application

EP 13823883 A 20130729

Priority

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Abstract (en)

[origin: WO2014018980A1] A rubber composition and a tire using the rubber composition utilizing a functionalized silica dry precipitated silica with a specific surface area in the range of 100 to 300 m²/gm treated with a plurality of silanes coupling agents to form a wet polymer silica masterbatch, then blending the masterbatch with a latex rubber component that includes a styrene-butadiene copolymer rubber or a blend of the styrene-butadiene copolymer rubber and another conjugated diene base rubber using a plurality of coupling agents simultaneously.

IPC 8 full level

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