

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  
**EP 2877531 A4 20160622 (EN)**

Application  
**EP 13823883 A 20130729**

Priority

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- US 2013052574 W 20130729

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 m<sup>2</sup>/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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CPC (source: EP)  
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Citation (search report)

- [X] EP 0795577 A1 19970917 - GOODYEAR TIRE & RUBBER [US]
- [X] US 2012165477 A1 20120628 - KO YOUNG HOON [KR], et al
- [X] US 2009163633 A1 20090625 - KO YOUNG HOON [KR], et al
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- [X] EP 0890606 A1 19990113 - BRIDGESTONE CORP [JP]
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- See references of WO 2014018980A1

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