

Title (en)

RUBBER COMPOSITION FOR TYRE COMPRISING A MULTIFUNCTIONAL POLYORGANOSILOXANE AS COUPLING AGENT

Title (de)

KAUTSCHUKZUSAMMENSETZUNG FÜR REIFEN, DIE EIN FUNKTIONALISIERTES POLYORGANOSILOXAN ALS KUPPLUNGSMITTEL ENTHÄLT

Title (fr)

COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE COMPORTANT UN POLYORGANOSILOXANE MULTIFONCTIONNEL A TITRE D'AGENT DE COUPLAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0196442A1] The invention concerns a sulphur crosslinkable elastomer composition, for use in the manufacture of tyres, comprising at least: i) an isoprene elastomer, in particular natural rubber; ii) a reinforcing inorganic filler, in particular silica; and iii) as coupling agent (white filler/ isoprene elastomer), a multifunctional polyorganosiloxane (POS) comprising, grafted on its silicone atoms, part at least of a hydroxyl or hydrolysable function, at least a group bearing at least an activated double ethylene bond. Said POS is in particular a POS with imide, acid or ester function, whereof the double ethylene bond is activated by at least an adjacent carbonyl group (>C=O). The invention also concerns a tyre or semi-finished product, in particular a running tread for tyre comprising said inventive composition.

IPC 1-7

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