

Title (en)

RUBBER COMPOSITION FOR TYRE COMPRISING A COUPLING AGENT WITH POLYTHIOBENZOTHAZYL FUNCTION

Title (de)

KAUTSCHUKZUSAMMENSETZUNG FÜR REIFEN, DIE EIN KUPPLUNGSMITTEL MIT EINER POLYTHIOBENZOTHAZIL-GRUPPE ENTHÄLT

Title (fr)

COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE COMPORTANT UN AGENT DE COUPLAGE A FONCTION  
POLYTHIOBENZOTHAZYLE

Publication

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Application

**EP 03727445 A 20030507**

Priority

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Abstract (en)

[origin: WO03097734A1] .The invention concerns a elastomer composition for use in making tyres, based on at least (i) one diene elastomer, (ii) one inorganic filler as reinforcing filler and (iii) as coupling agent (inorganic filler/diene elastomer), one organosilicon compound having at least two functions capable of being grafted on the elastomer by means of a sulphur-containing group with polybenzothiazyl function, of formula (I): =Si -Z-Sx-Bzt,(AA)y, wherein: Z is a linear or branched divalent binding group for binding the polybenzothiazyl group with a silicon atom of the organosilicon compound; x is a whole or fractional number from 2 to 4; Bzt represents the 2-benzothiazole group, optionally substituted; AA represents an oxygenated organic or mineral monoacid or a polyacid, whereof at least one of the acid functions exhibits constant ionization in water, pKa, at 25 °C, higher than 3; y is a whole or fractional number other than 0 and not greater than 3. The invention also concerns tyres and tyre running treads comprising such a composition.

IPC 1-7

**C08K 5/47**; C08K 5/548; B60C 1/00

IPC 8 full level

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