

Title (en)
STRUCTURALLY SUPPORTED RESILIENT TIRE AND MATERIALS

Title (de)
ELASTISCHER SELBSTTRAGENDER REIFEN UND MATERIALIEN

Title (fr)
PNEU ET MATERIAUX ELASTIQUES A SUPPORT STRUCTUREL

Publication
EP 1436153 A1 20040714 (EN)

Application
EP 01979955 A 20011005

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US 0142520 W 20011005

Abstract (en)
[origin: WO03037661A1] The invention comprises an improved non-pneumatic tire, and particularly a shear layer for a non-pneumatic tire wherein the shear layer comprises an elastomeric composition that includes a metal salt of a carboxylic acid. The shear layer preferably comprises a dienic elastomeric composition that includes a metal salt of a carboxylic acid. In one embodiment of the invention, the metal salt of the carboxylic acid is zinc diacrylate or zinc dimethacrylate. In one embodiment of the invention, the metal salt of the carboxylic acid is zinc diacrylate or zinc dimethacrylate, and a peroxide curative agent is employed.

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IPC 8 full level
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C-Set (source: EP)
C08K 5/098 + **C08L 9/00**

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See references of WO 03037661A1

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WO 03037661 A1 20030508; CA 2462034 A1 20030508; CA 2462034 C 20100608; CN 100464999 C 20090304; CN 1558838 A 20041229; EP 1436153 A1 20040714; KR 100809314 B1 20080304; KR 20040041658 A 20040517; MX PA04003048 A 20040705

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