

Title (en)  
VEHICLE TIRE HAVING TREAD COMPRISING A HEAT-EXPANDABLE RUBBER COMPOSITION

Title (de)  
FAHRZEUGREIFEN MIT EINEM PROFIL MIT EINER WÄRMEEXPANDIERBAREN KAUTSCHUKZUSAMMENSETZUNG

Title (fr)  
BANDAGE POUR VEHICULE DONT LA BANDE DE ROULEMENT COMPORTE UNE COMPOSITION DE CAOUTCHOUC THERMO-EXPANSIBLE

Publication  
**EP 2925539 A1 20151007 (FR)**

Application  
**EP 13798297 A 20131125**

Priority  
• FR 1261393 A 20121129  
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Abstract (en)  
[origin: WO2014082962A1] The invention relates to a vehicle tire, in particular a tire for winter, the tread of which comprises a rubber composition that is heat-expandable in the non-vulcanized state, and expanded in the vulcanized state; said composition, when in the non-vulcanized state, comprises at least one diene elastomer such as natural and/or polybutadiene rubber, more than 50 pce of a reinforcing filler, such as silica or carbon black, 2 to 60 pce in microparticles of a hydrosoluble metal salt powder, such as magnesium or potassium sulfate microparticles, 2 to 25 pce of an expansion agent, such as sodium or potassium (hydrogen) carbonate, and 2 to 25 pce of a hot-melt compound having a melting temperature of 60°C to 220°C, such as citric acid, for example. The combined use of said various compounds, at the anticipated rates, enables good adhesion to both dry ice and melting ice.

IPC 8 full level  
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Citation (search report)  
See references of WO 2014082962A1

Citation (examination)  
EP 2914442 A1 20150909 - MICHELIN & CIE [FR], et al

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