

Title (en)
RUBBER COMPOSITION CONTAINING A POLYMALEIMIDE COMPOUND

Title (de)
POLYMALEIMID ENTHALTENDE KAUTSCHUKZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE CAOUTCHOUC COMPORTANT UN COMPOSE POLYMALEIMIDE

Publication
EP 2104707 A1 20090930 (FR)

Application
EP 07856873 A 20071219

Priority
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Abstract (en)
[origin: FR2910901A1] Rubber composition useful in manufacturing tires, comprises a diene elastomer, a reinforcing filler, a vulcanization system and a maleimide compound, where the maleimide compound is a polymaleimide (I). Rubber composition useful in manufacturing tires, comprises a diene elastomer, a reinforcing filler, a vulcanization system and a maleimide compound, where the maleimide compound is a polymaleimide of formula (I). R 1-R 4hydrocarbon radical, preferably ethylene; and n : 0 or 1 with X. Provided that if n is 0 X is a nitrogen atom and if n is 1 X is a carbon or silicon atom. Independent claims are included for: (1) a process for preparing the rubber composition useful for the manufacture of tires and having resistance to the improved reversion, comprising: incorporating the diene elastomer and reinforcing filler by mixing thermomechanically in one or several times until reaching a maximum temperature of 110-190[deg] C, during non-productive step; cooling the obtained mixture at a temperature of less than 100[deg] C; incorporating the vulcanization system during productive step; and mixing the mixture until the maximal temperature of less than 110[deg] C, where the process further incorporating (I) during any one of the steps; and (2) a finished article or semi-finished product intended to a road-holding systems for automobile vehicle, comprising the composition. [Image].

IPC 8 full level
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