

Title (en)
COMPOSITION BASED ON NATURAL RUBBER AND CARBON BLACK COMPRISING A HYDRAZIDE, A HYDRAZONE AND A POLYAMINE

Title (de)
ZUSAMMENSETZUNG AUF DER BASIS VON NATURKAUTSCHUK UND RUSS MIT EINEM HYDRAZID, EINEM HYDRAZON UND EINEM POLYAMIN

Title (fr)
COMPOSITION À BASE DE CAOUTCHOUC NATUREL ET DE NOIR DE CARBONE COMPRENANT UN HYDRAZIDE, UN HYDRAZONE OU UNE POLYAMINE

Publication
EP 2655495 A1 20131030 (FR)

Application
EP 11799169 A 20111219

Priority
• FR 1060970 A 20101221
• EP 2011073234 W 20111219

Abstract (en)
[origin: WO2012084821A1] Reinforced rubber composition based at least (a) on an elastomer matrix comprising natural rubber as majority diene elastomer, (b) on a reinforcing filler comprising carbon black according to a weight fraction of more than 50% relative to the total weight of the filler, and (c) on a compound belonging to the hydrazide or hydrazone families or to the amine family, characterized in that the carbon black is dispersed in the elastomer matrix with a Z score greater than or equal to 80. This rubber composition is intended, for example, for the manufacture of a semi-finished rubber product intended for a motor vehicle tyre.

IPC 8 full level
C08K 3/04 (2006.01); **B60C 1/00** (2006.01); **C08J 3/00** (2006.01); **C08J 3/22** (2006.01); **C08K 5/17** (2006.01); **C08K 5/25** (2006.01); **C08K 5/26** (2006.01); **C08K 5/30** (2006.01)

CPC (source: EP US)
B60C 1/00 (2013.01 - EP US); **B60C 1/0016** (2013.01 - EP US); **C08J 3/22** (2013.01 - EP US); **C08J 3/226** (2013.01 - EP US); **C08K 3/04** (2013.01 - EP US); **C08K 5/17** (2013.01 - EP US); **C08K 5/24** (2013.01 - US); **C08K 5/25** (2013.01 - EP US); **C08K 5/26** (2013.01 - EP US); **C08K 5/30** (2013.01 - EP US); **C08J 2407/02** (2013.01 - EP US); **C08L 7/02** (2013.01 - EP US); **C08L 21/00** (2013.01 - EP US)

C-Set (source: EP US)
1. **C08K 5/17 + C08L 7/00**
2. **C08K 5/25 + C08L 7/00**
3. **C08K 5/26 + C08L 7/00**
4. **C08K 5/30 + C08L 7/00**
5. **C08K 3/04 + C08L 7/00**

Citation (search report)
See references of WO 2012084821A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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