

Title (en)
RUBBER COMPOSITION

Title (de)
KAUTSCHUKZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE CAOUTCHOUC

Publication
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Application
EP 16813013 A 20161124

Priority
• FR 1561451 A 20151127
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Abstract (en)
[origin: WO2017089708A1] The present invention relates to the use of a diene elastomer and a 1,3-dipolar compound in a rubber composition made up of at least one reinforcing filler comprising a reinforcing inorganic filler and a coupling agent, the 1,3-dipolar compound comprising a Q group and an A group connected together by a B group, in which Q comprises a dipole containing at least, and preferably, one nitrogen atom, A comprises an associative group comprising at least one nitrogen atom, and B is an atom or a group of atoms forming a bond between Q and A, the diene elastomer being obtained by stereospecific polymerisation of at least one 1,3-diene by means of a Ziegler-Natta catalytic system and containing less than 150 ppm of the element neodymium. The use of such a diene elastomer and such a 1,3-dipolar compound in the rubber composition makes it possible to ensure very low hysteresis of the rubber composition.

IPC 8 full level
C08L 9/00 (2006.01); **C08F 8/30** (2006.01); **C08K 3/00** (2018.01)

CPC (source: EP US)
C08C 19/22 (2013.01 - EP US); **C08F 36/06** (2013.01 - US); **C08F 36/08** (2013.01 - EP US); **C08F 136/08** (2013.01 - EP US); **C08K 3/08** (2013.01 - US); **C08K 3/36** (2013.01 - EP US); **C08K 5/3445** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **C08K 5/32** (2013.01 - EP US); **C08K 5/3462** (2013.01 - EP US); **C08K 2003/0881** (2013.01 - US)

C-Set (source: EP US)
1. **C08K 5/3445 + C08L 9/00**
2. **C08K 3/36 + C08L 9/00**

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See references of WO 2017089708A1

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