

Title (en)
REINFORCED RUBBER COMPOSITION FOR A TYRE

Title (de)
VERSTÄRKTE KAUSCHUKZUSAMMENSETZUNG FÜR EINEN REIFEN

Title (fr)
COMPOSITION DE CAOUTCHOUC RENFORCEE POUR PNEUMATIQUE

Publication
EP 3233997 A1 20171025 (FR)

Application
EP 15808609 A 20151214

Priority
• FR 1462415 A 20141215
• EP 2015079536 W 20151214

Abstract (en)
[origin: WO2016096689A1] The invention relates to a tyre comprising at least one rubber composition made from at least one diene elastomer, a reinforcing filler, a plasticizing system and a cross-linking system, characterized in that the composition comprises hexagonal boron nitride having a BET specific surface area greater than or equal to 10 m²/g as the reinforcing filler with a content from 30 to 350 parts per hundred of elastomer, phr, and a coupling agent capable of binding the boron nitride to the diene elastomer.

IPC 8 full level
C08K 3/38 (2006.01); **B60C 1/00** (2006.01); **C08K 3/00** (2006.01); **C08K 5/00** (2006.01); **C08K 5/548** (2006.01); **C08L 21/00** (2006.01)

CPC (source: CN EP US)
B60C 1/0016 (2013.01 - CN EP US); **C08K 3/06** (2013.01 - EP US); **C08K 3/22** (2013.01 - EP US); **C08K 3/36** (2013.01 - EP US);
C08K 3/38 (2013.01 - EP US); **C08K 5/0016** (2013.01 - US); **C08K 5/09** (2013.01 - EP US); **C08K 5/18** (2013.01 - EP US);
C08K 5/31 (2013.01 - EP US); **C08K 5/435** (2013.01 - US); **C08K 5/47** (2013.01 - EP US); **C08K 5/548** (2013.01 - EP US);
C08L 9/06 (2013.01 - CN EP US); **C08L 57/02** (2013.01 - EP US); **C08K 2003/2296** (2013.01 - US); **C08K 2003/385** (2013.01 - CN EP US);
C08K 2201/006 (2013.01 - CN EP US)

Citation (search report)
See references of WO 2016096689A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3029929 A1 20160617; **FR 3029929 B1 20180202**; CN 107001718 A 20170801; EP 3233997 A1 20171025; JP 2018500451 A 20180111;
US 2018355153 A1 20181213; WO 2016096689 A1 20160623

DOCDB simple family (application)
FR 1462415 A 20141215; CN 201580067730 A 20151214; EP 15808609 A 20151214; EP 2015079536 W 20151214;
JP 2017549596 A 20151214; US 201515535727 A 20151214