

Title (en)  
FUNCTIONALIZED DIENE RUBBERS

Title (de)  
FUNKTIONALISIERTE DIENKAUTSCHUKE

Title (fr)  
CAOUTCHOUCS DIÉNIQUES FONCTIONNALISÉS

Publication  
**EP 2337802 A1 20110629 (DE)**

Application  
**EP 09736924 A 20091015**

Priority  
• EP 2009063451 W 20091015  
• DE 102008052057 A 20081016

Abstract (en)  
[origin: WO2010043664A1] The present invention relates to functionalized diene rubbers and to the manufacture thereof, to rubber mixtures containing said functionalized diene rubbers and to the use thereof for producing vulcanized rubber precursors used for the production of high-strength rubber molded members in particular. What is especially preferred is the use in the manufacture of tires that exhibit an especially low rolling resistance, an especially high wet slipping resistance and high wear resistance.

IPC 8 full level  
**C08C 19/20** (2006.01); **B60C 1/00** (2006.01); **C08C 19/44** (2006.01); **C08L 19/00** (2006.01)

CPC (source: EP KR US)  
**B60C 1/00** (2013.01 - EP KR US); **C08C 19/20** (2013.01 - EP KR US); **C08C 19/44** (2013.01 - EP KR US); **C08F 236/10** (2013.01 - KR); **C08J 3/24** (2013.01 - US); **C08K 3/04** (2013.01 - EP US); **C08K 3/36** (2013.01 - EP US); **C08K 5/18** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **C08L 19/006** (2013.01 - EP US); **C08L 91/00** (2013.01 - EP US); **C08J 2309/06** (2013.01 - US); **Y02T 10/86** (2013.01 - EP US)

C-Set (source: EP US)  
**C08L 19/006 + C08K 3/04 + C08L 9/00 + C08L 91/00**

Citation (search report)  
See references of WO 2010043664A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008052057 A1 20100422**; AR 073858 A1 20101209; BR PI0919606 A2 20151208; CN 102186887 A 20110914; EP 2337802 A1 20110629; JP 2012505943 A 20120308; KR 20110084934 A 20110726; MX 2011004011 A 20110523; RU 2011119140 A 20121127; RU 2542225 C2 20150220; SA 109300620 B1 20140811; SG 195540 A1 20131230; TW 201030036 A 20100816; TW I513721 B 20151221; US 2011282001 A1 20111117; US 2016083531 A1 20160324; WO 2010043664 A1 20100422

DOCDB simple family (application)  
**DE 102008052057 A 20081016**; AR P090103944 A 20091014; BR PI0919606 A 20091015; CN 200980141277 A 20091015; EP 09736924 A 20091015; EP 2009063451 W 20091015; JP 2011531483 A 20091015; KR 20117010909 A 20091015; MX 2011004011 A 20091015; RU 2011119140 A 20091015; SA 109300620 A 20091014; SG 2013075783 A 20091015; TW 98134860 A 20091015; US 200913123995 A 20091015; US 201514956679 A 20151202