

Title (en)
TYRE BELT INCORPORATING AN ANTI-OXIDANT AGENT

Title (de)
REIFENGÜRTEL MIT OXIDATIONSHEMMER

Title (fr)
CEINTURE DE PNEUMATIQUE INCORPORANT UN AGENT ANTIOXYDANT

Publication
EP 2013038 A1 20090114 (FR)

Application
EP 07724411 A 20070420

Priority
• EP 2007003474 W 20070420
• FR 0603638 A 20060420

Abstract (en)
[origin: WO2007121936A1] Tyre belt comprising a rubber composition based on at least one isoprenic elastomer, a reinforcing filler, a cross-linkage system and an anti-oxidant agent, characterised in that said anti-oxidant agent comprises a 4,4'- bis(alkylamino)-triphenylamine that fits the formula (I) in which R¹ and R², identical or different, each represent a linear or branched alkyl group, that has between 1 and 12 atoms of carbon or a cycloalkyl group that has between 5 and 8 atoms of carbon. Said anti-oxidant gives the inventive belt better long-term resistance to fatigue and to crack propagation.

IPC 8 full level
B60C 13/00 (2006.01); **B60C 19/00** (2006.01)

CPC (source: EP KR US)
B29D 30/08 (2013.01 - KR); **B29D 30/40** (2013.01 - KR); **B60C 9/2006** (2013.01 - EP KR US); **C08K 5/18** (2013.01 - EP KR US); **C08L 7/00** (2013.01 - KR); **B60C 2001/0066** (2013.01 - KR); **Y10T 152/1081** (2015.01 - US)

C-Set (source: EP US)
C08K 5/18 + C08L 21/00

Citation (search report)
See references of WO 2007121936A1

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
FR 2900156 A1 20071026; FR 2900156 B1 20080704; CN 101448656 A 20090603; CN 101448656 B 20111012; EP 2013038 A1 20090114; JP 2009534240 A 20090924; JP 5226663 B2 20130703; KR 20090008377 A 20090121; RU 2008145767 A 20100527; RU 2442805 C2 20120220; US 2009165919 A1 20090702; US 8763660 B2 20140701; WO 2007121936 A1 20071101

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