

Title (en)
RUBBER COMPOSITION FOR WINTER TYRE TREAD

Title (de)
KAUTSCHUKZUSAMMENSETZUNG FÜR WINTERREIFENPROFIL

Title (fr)
COMPOSITION DE CAOUTCHOUC POUR BANDE DE ROULEMENT DE PNEUMATIQUE HIVER

Publication
EP 2257593 A1 20101208 (FR)

Application
EP 09719830 A 20090309

Priority
• EP 2009001662 W 20090309
• FR 0851629 A 20080313

Abstract (en)
[origin: WO2009112220A1] A rubber composition that can be used as a tread for a winter tyre, with high grip on melting ice, comprising at least one diene elastomer such as natural rubber and/or a polybutadiene, between 50 and 150 phr of a reinforcing filler such as silica and/or carbon black, more than 40 phr of a liquid plasticizer, between 1 and 30 phr of a non-ionic surfactant and between 5 and 40 phr of microparticles. The invention also relates to a winter tyre of which the tread comprises a composition according to the invention.

IPC 8 full level
C08L 21/00 (2006.01); **B60C 1/00** (2006.01); **C08K 5/103** (2006.01); **C08K 5/15** (2006.01); **C08L 1/00** (2006.01); **C08L 3/00** (2006.01)

CPC (source: EP)
B60C 1/0016 (2013.01); **C08K 5/0016** (2013.01); **C08K 5/103** (2013.01); **C08K 5/15** (2013.01); **C08L 7/00** (2013.01); **C08L 21/00** (2013.01); **C08L 3/00** (2013.01)

Citation (search report)
See references of WO 2009112220A1

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009112220 A1 20090917; CA 2716617 A1 20090917; EA 201071070 A1 20110429; EP 2257593 A1 20101208; FR 2928647 A1 20090918; FR 2928647 B1 20111125; JP 2011513559 A 20110428; JP 5535947 B2 20140702

DOCDB simple family (application)
EP 2009001662 W 20090309; CA 2716617 A 20090309; EA 201071070 A 20090309; EP 09719830 A 20090309; FR 0851629 A 20080313; JP 2010550073 A 20090309