

Title (en)

RUBBER COMPOSITION THAT CAN BE USED FOR MANUFACTURING A TYRE OF WHICH THE COMPOSITION COMPRISES A STARCH AND AN AQUEOUS OR WATER-SOLUBLE PLASTICIZER

Title (de)

KAUTSCHUKZUSAMMENSETZUNG ZUR VERWENDUNG BEI DER HERSTELLUNG EINES REIFENS MIT EINER ZUSAMMENSETZUNG AUS STÄRKE UND EINEM WÄSSRIGEN ODER WASSERLÖSLICHEN WEICHMACHER

Title (fr)

COMPOSITION DE CAOUTCHOUC, UTILISABLE POUR LA FABRICATION D'UN PNEUMATIQUE DONT LA COMPOSITION COMPORTE UN AMIDON ET UN PLASTIFIANT AQUEUX OU HYDROSOLUBLE

Publication

EP 2566915 A1 20130313 (FR)

Application

EP 11716584 A 20110502

Priority

- FR 1053437 A 20100504
- EP 2011056942 W 20110502

Abstract (en)

[origin: WO2011138267A1] The invention relates to a rubber composition based on at least one diene elastomer, a crosslinking system and a reinforcing filler, characterized in that the composition also comprises a starch in a proportion of from 10 to 50 phr (parts by weight per hundred parts of elastomer) and an aqueous or water-soluble plasticizer in a proportion of from 3 to 30 phr, said aqueous or water-soluble plasticizer being water, or a mixture of water and glycerol in which the water is predominant by weight in the aqueous or water-soluble plasticizer. The invention also relates to a method for obtaining such a composition. The composition according to the invention can be used for preparing calendered or profiled products which are part of the manufacture of a tyre, such as, for example, a tyre tread.

IPC 8 full level

C08K 5/053 (2006.01); **B60C 1/00** (2006.01); **C08K 5/00** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP US)

B60C 1/00 (2013.01 - EP US); **B60C 1/0016** (2013.01 - EP US); **C08K 5/0016** (2013.01 - EP US); **C08K 5/053** (2013.01 - EP US); **C08K 13/02** (2013.01 - US); **C08L 9/06** (2013.01 - US); **C08L 21/00** (2013.01 - EP US); **C08L 3/00** (2013.01 - EP US); **C08L 3/02** (2013.01 - EP US)

C-Set (source: EP US)

1. **C08K 5/0016 + C08L 21/00**
2. **C08K 5/053 + C08L 21/00**
3. **C08L 21/00 + C08L 2666/26**

Citation (search report)

See references of WO 2011138267A1

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

DOCDB simple family (publication)

WO 2011138267 A1 20111110; EP 2566915 A1 20130313; FR 2959744 A1 20111111; FR 2959744 B1 20120803; JP 2013525582 A 20130620; JP 5745618 B2 20150708; US 2013231417 A1 20130905

DOCDB simple family (application)

EP 2011056942 W 20110502; EP 11716584 A 20110502; FR 1053437 A 20100504; JP 2013508450 A 20110502; US 201113641564 A 20110502