

Title (en)  
VULCANIZABLE COMPOSITIONS BASED ON HYDROGENATED NITRILE RUBBER, METHOD FOR PRODUCING SAME, AND USE THEREOF

Title (de)  
VULKANISIERBARE ZUSAMMENSETZUNGEN AUF BASIS VON HYDRIERTEM NITRILKAUTSCHUK, VERFAHREN ZU DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)  
COMPOSITIONS VULCANISABLES À BASE DE CAOUTCHOUC NITRILE HYDROGÉNÉ, PROCÉDÉ POUR LES PRÉPARER OU POUR LES UTILISER

Publication  
**EP 3408322 A1 20181205 (DE)**

Application  
**EP 17700380 A 20170120**

Priority  
• EP 16152584 A 20160125  
• EP 2017051238 W 20170120

Abstract (en)  
[origin: WO2017129494A1] The invention relates to vulcanizable compositions based on hydrogenated nitrile rubber, containing a mineral filler with a specified surface area (N<sub>2</sub> surface area) of less than 10 m<sup>2</sup>/g containing at least 40 wt.% of silicate (SiO<sub>2</sub>) and at least 10 wt.% of aluminum oxide (Al<sub>2</sub>O<sub>3</sub>), a basic sodium silicate, and a crosslinking system based on radical donors. The invention further relates to the production of such vulcanizable compositions, to vulcanized products produced therefrom, and to the use thereof in particular in seals, belts, roller coverings, tubes, and cables.

IPC 8 full level  
**C08K 3/34** (2006.01)

CPC (source: EP KR US)  
**C08K 3/34** (2013.01 - EP KR US); **C08K 3/346** (2013.01 - US); **C08K 5/14** (2013.01 - EP KR US); **C08L 15/005** (2013.01 - KR); **C08K 2201/006** (2013.01 - KR); **C08K 2201/014** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2017129494A1

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)  
**EP 3196239 A1 20170726**; CN 108602979 A 20180928; CN 108602979 B 20201127; EP 3408322 A1 20181205; JP 2019502807 A 20190131; JP 6674552 B2 20200401; KR 20180103914 A 20180919; TW 201739816 A 20171116; US 10920036 B2 20210216; US 2019031856 A1 20190131; WO 2017129494 A1 20170803

DOCDB simple family (application)  
**EP 16152584 A 20160125**; CN 201780007935 A 20170120; EP 17700380 A 20170120; EP 2017051238 W 20170120; JP 2018538622 A 20170120; KR 20187021059 A 20170120; TW 106102322 A 20170123; US 201716072432 A 20170120