

Title (en)

METHOD FOR PREPARATION OF A RUBBER COMPOSITION COMPRISING AN EPOXIDE ELASTOMER CROSS-LINKED BY A POLYCARBOXYLIC ACID

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER KAUTSCHUKZUSAMMENSETZUNG MIT EINEM DURCH EINE POLYCARBONSÄURE VERNETZTEN EPOXIDELASTOMER

Title (fr)

PROCEDE DE PREPARATION D'UNE COMPOSITION DE CAOUTCHOUC COMPRENANT UN ELASTOMERE EPOXYDE RETICULE PAR UN POLY-ACIDE CARBOXYLIQUE

Publication

EP 3157974 A1 20170426 (FR)

Application

EP 15729823 A 20150616

Priority

- FR 1455606 A 20140618
- EP 2015063468 W 20150616

Abstract (en)

[origin: WO2015193308A1] The present invention relates to a process for preparation of a rubber composition made from at least one majority elastomer comprising epoxide functional groups, a reinforcing filler and a cross-linking system of said elastomer comprising a polycarboxylic acid and an imidazole, characterized in that the composition is prepared via a thermal mechanical mixing phase in the course of which all of the ingredients other than the cross-linking system are introduced together with, optionally, a part of the cross-linking system or all of the cross-linking system, at low temperature, i.e. at a maximum temperature of between 110 °C and 130 °C, the temperature at which the mixing is stopped.

IPC 8 full level

C08G 59/02 (2006.01); **C08G 59/42** (2006.01); **C08G 59/50** (2006.01); **C08K 5/092** (2006.01); **C08K 5/3445** (2006.01); **C08L 15/00** (2006.01); **C08L 63/08** (2006.01)

CPC (source: EP)

C08G 59/4253 (2013.01); **C08G 59/5073** (2013.01); **C08K 5/092** (2013.01); **C08K 5/3445** (2013.01); **C08L 15/00** (2013.01); **C08L 63/08** (2013.01); **C08G 59/027** (2013.01)

Citation (search report)

See references of WO 2015193308A1

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)

FR 3022546 A1 20151225; **FR 3022546 B1 20160624**; EP 3157974 A1 20170426; WO 2015193308 A1 20151223

DOCDB simple family (application)

FR 1455606 A 20140618; EP 15729823 A 20150616; EP 2015063468 W 20150616