

Title (en)
COMPOUNDS CARRYING NITROGEN-CONTAINING BINDING GROUPS

Title (de)
VERBINDUNGEN MIT STICKSTOFFHALTIGEN BINDUNGSGRUPPEN

Title (fr)
COMPOSÉS PORTEURS DE GROUPES ASSOCIATIFS AZOTÉS

Publication
EP 3526200 A1 20190821 (FR)

Application
EP 17794002 A 20171011

Priority
• FR 1659877 A 20161012
• FR 2017052802 W 20171011

Abstract (en)
[origin: WO2018069649A1] The invention relates to a compound of formula (I), wherein: A1 and A2 represent, independently of one another, a binding group comprising at least one nitrogen atom; Q1 and Q2 represent, independently of one another, a linkage group; and x is an integer between 2 and 6, preferably between 3 and 6. The invention also relates to a rubber composition comprising said compound.

IPC 8 full level
C07D 233/34 (2006.01); **C07D 233/36** (2006.01); **C08L 7/00** (2006.01); **C08L 9/00** (2006.01)

CPC (source: EP KR US)
C07D 233/32 (2013.01 - US); **C07D 233/34** (2013.01 - EP KR); **C07D 233/36** (2013.01 - EP KR US); **C08F 253/00** (2013.01 - US); **C08F 279/00** (2013.01 - US); **C08F 279/02** (2013.01 - US); **C08L 7/00** (2013.01 - EP KR US); **C08L 9/00** (2013.01 - EP KR US); **C08L 47/00** (2013.01 - US)

Citation (search report)
See references of WO 2018069649A1

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 3057264 A1 20180413; FR 3057264 B1 20200529; BR 112019006185 A2 20190618; CN 109790127 A 20190521; EP 3526200 A1 20190821; JP 2019536753 A 20191219; KR 20190057317 A 20190528; RU 2019113792 A 20201113; US 2019315695 A1 20191017; WO 2018069649 A1 20180419

DOCDB simple family (application)
FR 1659877 A 20161012; BR 112019006185 A 20171011; CN 201780062970 A 20171011; EP 17794002 A 20171011; FR 2017052802 W 20171011; JP 2019519696 A 20171011; KR 20197009680 A 20171011; RU 2019113792 A 20171011; US 201716340708 A 20171011