

Title (en)

TYRE COMPRISING A TREAD CONTAINING REINFORCING ELEMENTS

Title (de)

REIFEN MIT EINER LAUFFLÄCHE MIT VERSTÄRKUNGSELEMENTEN

Title (fr)

PNEUMATIQUE AVEC UNE BANDE DE ROULEMENT COMPORTANT DES ÉLÉMENTS DE RENFORCEMENT

Publication

**EP 3554852 A1 20191023 (FR)**

Application

**EP 17822374 A 20171207**

Priority

- FR 1662379 A 20161213
- FR 2017053424 W 20171207

Abstract (en)

[origin: WO2018109323A1] The invention relates to a tyre (1) in which at least one of said tread pattern blocks (51) comprises a peripheral reinforcing element (52) arranged axially on the inside in relation to said at least one groove (71), from the outside towards the inside, and axially close to said peripheral groove, the peripheral reinforcing element (52) consisting of a rubbery mixture with a dynamic shear modulus  $G^*$  at least twice as high as the dynamic shear modulus  $G^*$  of the rubbery mixture of the rest of the blocks of the tread, the peripheral reinforcing element (52) extending radially from the radially outer surface of said bracing ply (6) towards the surface of said tread with an axial width that narrows progressively moving radially towards the outside, and in which the rubbery mixture of the rest of the blocks of the tread is present axially between said peripheral reinforcing element (52) and the axially inner adjacent side face (7i).

IPC 8 full level

**B60C 11/00** (2006.01); **B60C 11/18** (2006.01)

CPC (source: EP US)

**B60C 11/0041** (2013.01 - EP); **B60C 11/005** (2013.01 - EP US); **B60C 11/0066** (2013.01 - EP); **B60C 11/0075** (2013.01 - EP); **B60C 11/18** (2013.01 - EP US); **B60C 2011/0016** (2013.01 - EP); **B60C 2011/0025** (2013.01 - EP US); **B60C 2011/0033** (2013.01 - EP US)

Citation (search report)

See references of WO 2018109323A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3059942 A3 20180615**; CN 110049883 A 20190723; EP 3554852 A1 20191023; US 2020108666 A1 20200409; WO 2018109323 A1 20180621

DOCDB simple family (application)

**FR 1662379 A 20161213**; CN 201780075765 A 20171207; EP 17822374 A 20171207; FR 2017053424 W 20171207; US 201716469314 A 20171207