

Title (en)

TIRE WITH AN ASSEMBLY OF ONE OR SEVERAL KNITTED FABRICS

Title (de)

REIFEN MIT EINER ANORDNUNG VON EINEM ODER MEHREREN TRIKOTS

Title (fr)

PNEUMATIQUE COMPRENANT UN ASSEMBLAGE D'UN OU DE PLUSIEURS TRICOTS

Publication

EP 3086953 A1 20161102 (FR)

Application

EP 14802907 A 20141127

Priority

- FR 1363595 A 20131226
- EP 2014075759 W 20141127

Abstract (en)

[origin: WO2015096951A1] The invention relates to a tire (10) which includes at least one set (45) of at least two layers of at least one knitted fabric (441, 442), the two layers being at least partially vertically adjacent. The knitted fabric (441, 442) includes: columns of loops arranged, one after the other, substantially in a so-called "main" general direction (X1); and rows of loops arranged, one beside the other, substantially in a so-called "transverse" general direction (Z1). The knitted fabric (441, 442) has a force no higher than 40 N × rows-1 and/or 40 N × columns-1 when 100% elongated. The force when 100% elongated is predetermined on the basis of a force/elongation curve obtained by applying ISO standard 13934-1:2013 to the or each knitted fabric (441, 442) embedded in the standard elastomer matrix, and the number of rows and/or columns is measured according to NF EN standard 14791.

IPC 8 full level

B60C 9/11 (2006.01); **B60C 9/18** (2006.01); **B60C 15/00** (2006.01); **B60C 15/06** (2006.01)

CPC (source: EP US)

B60C 9/11 (2013.01 - EP US); **B60C 9/1807** (2013.01 - EP US); **B60C 15/0018** (2013.01 - EP US); **B60C 2015/0639** (2013.01 - EP US)

Citation (search report)

See references of WO 2015096951A1

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)

WO 2015096951 A1 20150702; CN 105848928 A 20160810; CN 105848928 B 20181026; EP 3086953 A1 20161102; FR 3015929 A1 20150703; US 2016325589 A1 20161110

DOCDB simple family (application)

EP 2014075759 W 20141127; CN 201480070977 A 20141127; EP 14802907 A 20141127; FR 1363595 A 20131226; US 201415108498 A 20141127