

Title (en)
REINFORCED RUBBER ARTICLE WITH TAPE ELEMENTS

Title (de)
VERSTÄRKT GUMMIARTIKEL MIT BANDELEMENTEN

Title (fr)
ARTICLE EN CAOUTCHOUC RENFORCÉ À ÉLÉMENTS EN BANDE

Publication
EP 2739488 A2 20140611 (EN)

Application
EP 12735760 A 20120710

Priority

- US 201113196975 A 20110803
- US 201113196981 A 20110803
- US 201113196988 A 20110803
- US 201213351625 A 20120117
- US 2012046070 W 20120710

Abstract (en)
[origin: WO2013019366A2] A reinforced rubber article containing a rubber article and a fibrous layer embedded into the rubber article. The fibrous layer contains monoaxially drawn tape elements having a rectangular cross-section and at least a first layer having a draw ratio of at least about 5, a modulus of at least about 2 GPa, a density of at least 0.85 g/cm³. The first layer contains a polymer selected from the group consisting of polyamide, polyester, and co-polymers thereof. Methods of forming the reinforced rubber article are also disclosed.

IPC 8 full level
B60C 1/00 (2006.01)

CPC (source: EP)
B60C 9/0042 (2013.01); **B60C 9/14** (2013.01); **B60C 2009/0078** (2013.01)

Citation (search report)
See references of WO 2013019366A2

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

DOCDB simple family (publication)
WO 2013019366 A2 20130207; WO 2013019366 A3 20130711; BR 112014002313 A2 20171017; CN 102910036 A 20130206; CN 102910036 B 20160309; CN 202911469 U 20130501; EP 2739488 A2 20140611; JP 2014529634 A 20141113; JP 6038917 B2 20161207; KR 101656963 B1 20160912; KR 20140030321 A 20140311; RU 2014107193 A 20150920; RU 2574059 C2 20160127

DOCDB simple family (application)
US 2012046070 W 20120710; BR 112014002313 A 20120710; CN 201210276130 A 20120803; CN 201220383589 U 20120803; EP 12735760 A 20120710; JP 2014523942 A 20120710; KR 20147002466 A 20120710; RU 2014107193 A 20120710