

Title (en)
METHOD FOR THE CONSTRUCTION OF A PNEUMATIC TYRE

Title (de)
VERFAHREN ZUR KONSTRUKTION EINES LUFTREIFENS

Title (fr)
PROCÉDÉ POUR LA CONSTRUCTION D'UN PNEU

Publication
EP 3707015 A1 20200916 (EN)

Application
EP 18807430 A 20181108

Priority
• IT 201700128018 A 20171109
• IB 2018058778 W 20181108

Abstract (en)
[origin: WO2019092631A1] A method for the construction of a pneumatic tyre (1) having a pair of annular inserts (13) arranged on the opposite sides of a carcass (2), internally to a body ply (3), manufactured from a polymer foam matrix and provided with a respective inner surface (14) facing the body ply (3); the method provides applying an innerliner (11) to the body ply (3); wrapping the body ply (3) provided with the innerliner (11) around a forming drum in order to obtain a green pneumatic tyre (1); vulcanizing the green pneumatic tyre (1) within a mold in order to obtain a semi-finished pneumatic tyre (1); producing the inserts (13) independently and separately from the semi-finished pneumatic tyre (1); and connecting the internal surfaces (14) of each insert (13) to the innerliner (11) or else to the body ply (3) in order to obtain a finished pneumatic tyre (1).

IPC 8 full level
B60C 17/00 (2006.01); **B29D 30/72** (2006.01); **B60C 5/14** (2006.01); **B60C 17/06** (2006.01)

CPC (source: EP US)
B29D 30/72 (2013.01 - EP); **B60C 5/14** (2013.01 - EP); **B60C 5/142** (2013.01 - EP); **B60C 17/0018** (2013.01 - EP);
B60C 17/065 (2013.01 - EP US); **B29D 2030/724** (2013.01 - EP); **B60C 2017/0063** (2013.01 - EP)

Citation (search report)
See references of WO 2019092631A1

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 2019092631 A1 20190516; EP 3707015 A1 20200916

DOCDB simple family (application)
IB 2018058778 W 20181108; EP 18807430 A 20181108