

Title (en)
TIRE BUILDING METHOD AND APPARATUS

Title (de)
REIFENBAUVERFAHREN UND VORRICHTUNG

Title (fr)
PROCEDE ET APPAREIL DE FABRICATION DE PNEUS

Publication
EP 1551619 A4 20060329 (EN)

Application
EP 02766278 A 20020912

Priority
US 0229136 W 20020912

Abstract (en)
[origin: WO2004024430A1] A drum and a method of building a tire is provided. The method includes the step of providing a drum (10) that has a plurality of drum segments (20). A section of an outer surface (16) of the drum (10) is formed that has the same radial distance from the axial center of the drum. The drum (10) has a plurality of bead gorges (12). Another step involves the application of a carcass reinforcement (34) on the section of the outer surface of the drum (10) that has the same radial distance from the axial center of the drum. At least one uncured rubber section (42) is applied on the carcass reinforcement (34). The carcass reinforcement (34) is wrapped around the uncured rubber section (42) such that the orientation of the uncured rubber section remains the same.

IPC 1-7
B29D 30/26; **B29D 30/32**

IPC 8 full level
B29D 30/24 (2006.01); **B29D 30/32** (2006.01)

CPC (source: EP KR)
B29D 30/24 (2013.01 - KR); **B29D 30/245** (2013.01 - EP); **B29D 30/32** (2013.01 - EP); **B29D 2030/3214** (2013.01 - EP); **B29D 2030/3228** (2013.01 - EP); **B29D 2030/3235** (2013.01 - EP)

Citation (search report)

- [A] EP 1238788 A1 20020911 - MITSUBISHI HEAVY IND LTD [JP]
- See references of WO 2004024430A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 2004024430 A1 20040325; AU 2002330021 A1 20040430; BR 0214057 A 20041013; CN 1668453 A 20050914; EP 1551619 A1 20050713; EP 1551619 A4 20060329; JP 2005538865 A 20051222; KR 20040024517 A 20040320

DOCDB simple family (application)
US 0229136 W 20020912; AU 2002330021 A 20020912; BR 0214057 A 20020912; CN 02829605 A 20020912; EP 02766278 A 20020912; JP 2004535368 A 20020912; KR 20030063291 A 20030909