

Title (en)
TIRE PRODUCTION DRUM WITH AN EXPANDER DEVICE

Title (de)
REIFENAUFBAUTROMMEL MIT SPREIZEINRICHTUNG

Title (fr)
TAMBOUR DE CONFECTION DE PNEUMATIQUE COMPORTANT UN DISPOSITIF D'ECARTEMENT

Publication
EP 1206344 A1 20020522 (DE)

Application
EP 00965756 A 20000814

Priority
• DE 0002778 W 20000814
• DE 19939986 A 19990824

Abstract (en)
[origin: DE19939986A1] The invention relates to a device for production of a molded tire blank using a tire production machine provided with a tire carcass drum (1). Said tire carcass drum has a stationary drum middle part (6) and is provided with two axially movable drum side parts (7, 8). The molded tire blank is at least temporarily formed by at least one inflatable cushion (31). Two molded tire blank cores are at least temporarily supported in the axial direction by an expander device (34). An undivided ring-shaped fixing element made of an elastic, shapeable material is utilized as an expander device. The part of the fixing element which faces away from the drum middle section is positioned pointing towards the drum middle section and is transverse to the longitudinal axis during an operational movement towards the drum side part. Elastic homogeneous deformation of said fixing element occurs at least in sections of said element during the positioning of the fixing element.

IPC 1-7
B29D 30/24

IPC 8 full level
B29D 30/24 (2006.01); **B29D 30/36** (2006.01)

CPC (source: EP)
B29D 30/244 (2013.01); **B29D 30/36** (2013.01); **B29D 2030/3214** (2013.01); **B29D 2030/3242** (2013.01); **G05B 2219/42222** (2013.01); **G05B 2219/45023** (2013.01)

Citation (search report)
See references of WO 0114129A1

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

DOCDB simple family (publication)
DE 19939986 A1 20010301; AU 7641600 A 20010319; EP 1206344 A1 20020522; WO 0114129 A1 20010301

DOCDB simple family (application)
DE 19939986 A 19990824; AU 7641600 A 20000814; DE 0002778 W 20000814; EP 00965756 A 20000814