

Title (en)

TYRE SELF-SEALING DEVICE FOR THE WHEEL OF A VEHICLE

Title (de)

REIFENSELBSTABDICHTUNGSVORRICHTUNG FÜR DAS RAD EINES FAHRZEUGS

Title (fr)

DISPOSITIF AUTO-OBTURANT DU PNEUMATIQUE D'UNE ROUE DE VEHICULE

Publication

EP 1490240 A1 20041229 (FR)

Application

EP 03745314 A 20030320

Priority

- FR 0300894 W 20030320
- FR 0204031 A 20020329

Abstract (en)

[origin: WO03082612A1] The invention relates to a tyre self-sealing device for the wheel of a vehicle which is equipped with a tyre inflating and deflating valve, ensuring a supply of compressed air by means of a pressurised circuit. The aforementioned valve (12) is disposed between the wheel (2) and the hub (5) of the wheel. Moreover, the invention comprises a sealing means (19) which is built into the wheel supply circuit, said means (19) being in the open position in the presence of the valve and in the closed position in the absence of the valve. The sealing means (19) comprises a finger (30) which extends into a truncated cone-shaped part (31) that moves under the action of a spring (32) inside a bore (18) in the wheel supply circuit. Said truncated cone-shaped part (31) can be applied against a seat (33) having a truncated cone-shaped profile under the action of the spring in order to close the wheel supply circuit.

IPC 1-7

B60C 23/00

IPC 8 full level

B60C 23/00 (2006.01)

CPC (source: EP US)

B60C 23/00318 (2020.05 - EP US); **B60C 23/00345** (2020.05 - EP US); **B60C 23/00354** (2020.05 - EP US); **B60C 23/00363** (2020.05 - EP US); **F16C 41/005** (2013.01 - EP US)

Citation (search report)

See references of WO 03082612A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03082612 A1 20031009; AU 2003232296 A1 20031013; BR 0303654 A 20040713; EP 1490240 A1 20041229; FR 2837747 A1 20031003; FR 2837747 B1 20040709; US 2005205182 A1 20050922

DOCDB simple family (application)

FR 0300894 W 20030320; AU 2003232296 A 20030320; BR 0303654 A 20030320; EP 03745314 A 20030320; FR 0204031 A 20020329; US 50915404 A 20040928