

Title (en)  
PNEUMATIC VEHICLE TYRE WITH CIRCUMFERENTIAL GROOVE

Title (de)  
FAHRZEUGLUFTREIFEN MIT UMFANGSRILLE

Title (fr)  
PNEU DE VÉHICULE À RAINURE PÉRIPHÉRIQUE

Publication  
**EP 4244081 A1 20230920 (DE)**

Application  
**EP 21823177 A 20211109**

Priority  
• DE 102020214281 A 20201113  
• DE 2021200185 W 20211109

Abstract (en)  
[origin: WO2022100800A1] Pneumatic vehicle tyre with a tread (2) having a profiling and with at least one circumferential groove (1) which runs around in the circumferential direction of the pneumatic vehicle tyre, is made to a profile depth PT and has alternating over the entire circumference of the tyre, over subportions (21, 24) of the circumference of the pneumatic vehicle tyre, a first cross section perpendicular to the circumferential direction and a second cross section perpendicular to the circumferential direction. The first cross section is made up of at least two groove portions adjoining one another in a first radial direction R1 of the pneumatic vehicle tyre: a first groove portion (3), which is symmetrical to the first radial direction R1 and the width BV,1 of which in the axial direction A of the pneumatic vehicle tyre is less than 3 mm and varies by no more than 10%; and a radially inner, second groove portion (4), which is widened in the axial direction A in comparison with the first groove portion (3) and has the greatest cross-sectional area of all the groove portions. The second cross section is made up of at least two groove portions which adjoin one another in a second radial direction R2 of the pneumatic vehicle tyre and are symmetrical to the radial direction R2: an outwardly widening, first groove portion (33); and an inner, second groove portion (34), which is narrowed in comparison with the first groove portion and the width BY,2 of which in the axial direction A of the pneumatic vehicle tyre varies by no more than 10% and is less than 40% of the width BY,0 in the axial direction A of the second cross section at the surface of the tread when the pneumatic vehicle tyre is as new. Here, the second groove portion (34) of the second cross section extends in the radial direction R2 over at least 50% of the height H2V of the second groove portion (4) of the first cross section in the radial direction R1 and, over at least 50% of its height H2Y in the radial direction R2, is at a distance from the surface of the tread (2) at which the second groove portion (4) is located in the first cross section.

IPC 8 full level  
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Citation (search report)  
See references of WO 2022100800A1

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