

Title (en)
WHEEL FOR A VEHICLE AND SYSTEM COMPRISING THE WHEEL

Title (de)
RAD FÜR EIN FAHRZEUG UND SYSTEM MIT DEM RAD

Title (fr)
ROUE POUR UN VÉHICULE ET SYSTÈME COMPRENANT LA ROUE

Publication
EP 4267401 A1 20231101 (EN)

Application
EP 20967344 A 20201228

Priority
CN 2020140398 W 20201228

Abstract (en)
[origin: WO2022140994A1] The invention refers to a wheel (10) for a vehicle (44), the wheel (10) being rotatable around a rotation axis (12) and comprising: a seating space (14) for a brake disk (30) extending around the rotation axis (12); a wheel rim (16) having a rim well (18), the wheel rim (16) extending around the seating space (14) and the rotation axis (12), wherein the rim well (18) protrudes from the wheel rim (16) towards the rotation axis (12); and at least one spoke (20) being connected to the wheel rim (16), the at least one spoke (20) being arranged at an outward side (22) of the wheel (10) and extending at least in part radially to the rotation axis (12); wherein, along the rotation axis (12), the seating space (14) is arranged closer to the outward side (22) than the rim well (18). The invention improves the air flow in the vicinity of the wheel (10) to reduce aerodynamic drag and lifting forces on the vehicle (44).

IPC 8 full level
B60B 19/10 (2006.01); **B60B 19/06** (2006.01); **B60B 21/02** (2006.01); **B60B 21/08** (2006.01); **B60B 21/12** (2006.01); **B60T 1/06** (2006.01); **B60T 5/00** (2006.01); **F16D 65/847** (2006.01)

CPC (source: EP)
B60B 3/007 (2013.01); **B60B 3/10** (2013.01); **B60B 19/10** (2013.01); **B60T 5/00** (2013.01); **F16D 65/847** (2013.01); **B60B 2900/513** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022140994 A1 20220707; CN 116802062 A 20230922; EP 4267401 A1 20231101; EP 4267401 A4 20241016; TW 202239627 A 20221016; TW I819448 B 20231021

DOCDB simple family (application)
CN 2020140398 W 20201228; CN 202080108371 A 20201228; EP 20967344 A 20201228; TW 110149222 A 20211228