

Title (en)
BICYCLE WHEEL

Title (de)
FAHRRAD-RAD

Title (fr)
ROUE DE BICYCLETTE

Publication
EP 1569807 A1 20050907 (EN)

Application
EP 03813319 A 20031212

Priority
• PT 0300016 W 20031212
• PT 10288302 A 20021213

Abstract (en)
[origin: WO2004054818A1] The present invention relates to a wheel for a bicycle or other similar vehicles, which comprises a rim connected to a hub (2) by means of a set of spokes (1) that converge in pairs on two flanges (4, 5), one on either side of the hub (2), connected coaxially to said hub, characterised in that in each of the consecutive pairs of spokes (1), the first one is connected to the flange on the left-hand side (4), the second to the flange on the right-hand side (5), the third to the flange on the right-hand side (5) and the fourth to the flange on the left-hand side (4), this arrangement making it possible to balance the tension that in each pair of spokes is exerted between the rim (3) and the hub (2). It enables any type of rim with paired holes to be correctly balanced by means of the tightening of the spokes, thereby increasing the robustness of the wheel and reducing the effort required when functioning.

IPC 1-7
B60B 1/04

IPC 8 full level
B60B 1/04 (2006.01); **B60B 27/02** (2006.01)

CPC (source: EP)
B60B 1/003 (2013.01); **B60B 1/0223** (2013.01); **B60B 1/041** (2013.01); **B60B 27/0005** (2013.01)

Citation (search report)
See references of WO 2004054818A1

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 2004054818 A1 20040701; AU 2003303056 A1 20040709; EP 1569807 A1 20050907; PT 102883 A 20040630; PT 102883 B 20041231

DOCDB simple family (application)
PT 0300016 W 20031212; AU 2003303056 A 20031212; EP 03813319 A 20031212; PT 10288302 A 20021213