

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日
2011 年 1 月 27 日 (27.01.2011)

PCT

(10) 国际公布号
WO 2011/009388 A1

- (51) 国际专利分类号:
B60C 17/04 (2006.01) *B60C 23/04* (2006.01)
B60B 25/02 (2006.01)
- (21) 国际申请号: PCT/CN2010/075247
- (22) 国际申请日: 2010 年 7 月 19 日 (19.07.2010)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
200910055281X 2009 年 7 月 23 日 (23.07.2009) CN
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- 本国际公布:
— 包括国际检索报告(条约第 21 条(3))。

[见续页]

(54) Title: BURST-PROOF SAFETY TYRE OF VEHICLE

(54) 发明名称: 车辆防爆安全轮胎

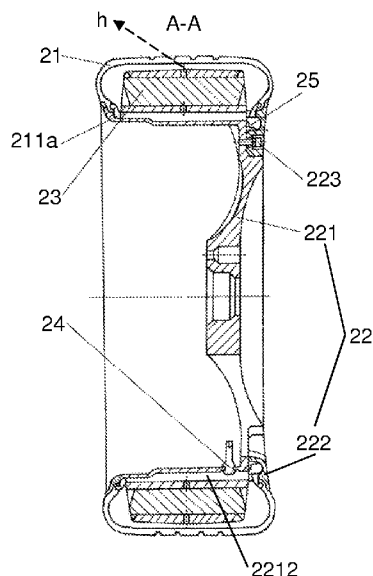


图3 / Fig.3

(57) Abstract: A burst-proof safety tyre (20) of a vehicle is provided. The tyre (20) comprises a tyre casing (21), a split rim (22), an L-shaped sealing ring (25), a combined support loop (23) and a valve core (24). The combined support loop (23) comprises a plurality of layers of support rings (231), which are nested layer by layer and fixed with the rim (22). The size of the support loop (23) can be increased through the combined support loop (23), and thereby the distance between the inner wall of the tyre casing (21) and the outer wall of the combined support loop (23) can be shortened under normal tyre pressure. At the moment of tyre burst, the combined support loop (23) can quickly and effectively support the tyre casing (21), and the change of the operating radius of the tyre (20) is controlled in a range as small as possible, thereby ensuring the originally basic performance of the tyre (20), preventing the accident caused by the sudden uncontrollable running direction of the vehicle and eliminating potential safety hazard. In addition, the split rim (22) is in favor of the layered mounting of the large-size combined support loop (23), and meanwhile greatly facilitates assembly and disassembly processes, so that the maintenance and replacement of the tyre (20) can be performed by common tools.

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WO 2011/009388 A1