

Title (en)

VEHICULAR WHEEL WITH A LOCKING DEVICE FOR QUICK REPLACEMENTS

Title (de)

FAHRZEUGRAD MIT EINER VERRIEGELUNGSVORRICHTUNG ZUM SCHNELLEN WECHSELN

Title (fr)

ROUE DE VEHICULE A DISPOSITIF DE BLOCAGE PERMETTANT UN REMPLACEMENT RAPIDE

Publication

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Application

EP 00915059 A 20000406

Priority

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- BR 9902493 A 19990406

Abstract (en)

[origin: WO0059739A1] The invention refers to a wheel with locking devices for quick replacement of tires on automobile vehicles. The invention is made of an over axle (11) that is attached to the axle by way of slotted holes (2) located in a plurality of cavities (1) in the over axle (11). The over axle (11) has mounting pin (4) with a slot (5) for engaging a locking disc (5). This locking disc (5) has a number of circular slots (12) that engage the slot (5) of the pins (4) of the over axle (11), and a pair of grooves (16). The locking disc (5) is placed in the central hole of an internal frame (9) along with a pair of locking mechanisms (15) that correspond to the grooves (16) of the locking disc (5). An internal plate (10) is attached to the internal frame (9) to cover any moving parts. The internal plate (10), internal frame (9), locking mechanisms (15), and locking disc (80) are attached to a wheel (6) having hole that correspond to the pins (4) of the over axle (11) and keyholes (7) that correspond to the locking mechanisms (15).

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