Title (en)
A DEVICE FOR AUTOMATIC SEPARATION OF A TYRE AND A RIM IN A WHEEL OF A VEHICLE

Title (de)
EINRICHTUNG ZUR AUTOMATISCHEN TRENNUNG VON REIFEN UND FELGEN AN EINEM FAHRZEUGRAD

Title (fr)
SYSTEME DE SEPARATION AUTOMATIQUE D'UN PNEUMATIQUE ET D'UNE JANTE DE ROUE D'UN VEHICULE

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Application
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Priority
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Abstract (en)
[origin: WO9939929A1] Arrangement for automatic separation of the tyre (3) and the rim (4) in a vehicle wheel (2). The feed-in arrangement (1) feeds in one vehicle wheel (2) at a time to a centred position with the wheel lying and its axis of rotation oriented in the region of a fixed axis of symmetry (44) and with the rim (4) of the wheel located on a first level in the separation arrangement. The arrangement lifts the rim (4) to a second level using a lifting force applied against the rim while the tyre is applied against a stay member (19). As a result of this, one rim edge (29) is exposed, a pressing-in arrangement (6) is, in an inactive state, located radially outside the rim edge and is adjusted by means of pressing-in jaws (40) into an active position. The jaws are applied against the rim in the direction towards the axis of symmetry (44) so as to press in the rim edge (29). After the pressing-in jaws have been drawn back from the rim edge, the rim is pressed down through an opening (8) from the upper level and past the lower level, the tyre being kept temporarily on the lower level. Feed-out arrangements (16, 17) feed the separated rim out to a first collection point and the separated tyre out to a second collection point.

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