

The invention relates to the automotive industry, namely to the wheel production.

The vehicle wheel contains a tread (1) and a hollow tyre (2) installed thereon, armored with an elastic carcass (3) and a pair of rings (11), placed into the boards thereof, and a damper device (7) made closed in the form of multiturn spring, placed into the cavity (4) profile formed by the inside face (5) of the tyre (2) and by the surface (6) of the tread (1). The elastic carcass (3) of the tyre (2) additionally includes rings (8) placed round the edges of the tyre (2) from the end of the protector, the extreme rings (8) being joined by U-shaped elements with the boards of the tyre (2) placed into the boards of the tyre (2). The extreme rings (8) and the rings (11) placed into the boards of the tyre (2) are additionally joined with zigzag elements, fixed between the radial parts of the U-shaped elements. Inside the cavity (4) formed by the inside face (5) of the tyre (2) and by the surface (6) of the tread (1), onto both cylindrical faces thereof, there are coaxially mounted tubular elastic bearing elements (17), onto the surfaces directed toward each other being made uniformly placed axial grooves, wherein there are placed the turns of the damper device (7).

Claims: 17

Fig.: 6

