

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

The safety wheel of the vehicle contains a tread (1) and a hollow tyre (2) installed thereon, armored with an elastic carcass (3), at the same time into the cavity (4), formed by the inside face (5) of the tyre (2) and by the surface (6) of the tread (10), it is placed a damper device (7), made closed in the form of multiturn spring, the cross section of which is inscribed into the cavity (4) profile. The elastic carcass (3) includes rings (8) joined between them, placed round the edges of the tyre (2) from the end of the protector, the extreme rings being joined with U-shaped elements and with a pair of rings (11), placed onto the interior boards of the tyre (2). The extreme rings and the rings (11), placed onto the interior boards of the tyre (2), are additionally joined with zigzag elements, fixed between the radial parts of the U-shaped element. Into the cavity (4), onto both inside cylindrical faces (5) and (6), there are coaxially mounted tubular elastic bearing elements (14), onto the surfaces directed toward each other being made uniformly placed axial grooves (15), wherein there are placed the turns of the damper device (7).

Claims: 17

Fig.: 6

