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**Bonacini**

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(54) **MULTIPURPOSE STATION FOR MOUNTING AND REMOVING CONVENTIONAL AND SPECIAL TIRES**

**FOREIGN PATENT DOCUMENTS**

EP 0 482 701 4/1992  
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\* cited by examiner

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**ABSTRACT**

(57) The multipurpose station for mounting and removing conventional and special tires is constituted by a turret-type frame from the top vertex of which a horizontal guiding cross-member cantilevers out and by a carriage for supporting first and second devices for mounting and removing tires from their respective wheel rims, which is able to move back and forth on the cross-member, under the actuation of a corresponding actuator. The frame has, at a substantially median vertical elevation, conventional elements for rotatably supporting and clamping the wheels and has, in a downward region, a pusher which co-operates with the first and second mounting and removing devices and a lifting support for lifting the wheels towards the conventional supporting and clamping elements and for seating the mounted tires.

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(51) **Int. Cl.**<sup>7</sup> ..... **B60C 25/135**

(52) **U.S. Cl.** ..... **157/1.24; 157/1.26; 157/1.46**

(58) **Field of Search** ..... **157/1.24, 1.26, 157/1.46**

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**16 Claims, 10 Drawing Sheets**

