

Title (en)
ROLLING APPARATUS FOR ROLLER SKATE USERS

Title (de)
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Title (fr)
APPAREIL ROULANT POUR UTILISATEURS DE PATINS A ROULETTES

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Abstract (en)
[origin: WO2005000433A1] The invention relates to a rolling apparatus for roller skate users, which is independent of the roller skates. The upper end of the inventive apparatus comprises two handles (1) which are mounted separately side by side or which are separated by a handlebar (8). According to the invention, each of the handles is intended to be held simultaneously by each hand of the skater in order to control the steering of at least one connecting arm (2) that extends therefrom either directly or by means of a handlebar (8). The lower end of the apparatus is solidly connected to the axle (4) of at least one wheel (3), either directly or by means of a fork (7) comprising at least one arm. Moreover, the aforementioned wheel (3) is provided with a certain inertia and a tyre comprising a tread (6) that is intended to travel along the ground (5) at a distance of several tens of centimetres in front of the skates. The wheel has a strong grip which is obtained, in particular, by increasing the pressure thereof on the ground (5). For said purpose, the wheel is made to support the weight of the different carrying loads which are disposed close to the mid-point of the axle (4) thereof and, preferably, in front of same, in order to act as a counterbalance for the connecting arm (2) and the handlebar (8) which are at least partially supported by the arm of the skater. In this way, the apparatus takes advantage of the pull force exerted by the user's arms and reduces the energy dissipated in the unnecessary rotation of his/her shoulders, in order to improve the skater's movement. In addition, the apparatus guarantees an extremely powerful braking system and maintains balance. The invention can be used for industrial applications in the field of sport, recreation and non-polluting passenger and utility transport means.

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