

Title (en)
BICYCLE LIFT

Title (de)
FAHRRADLIFT

Title (fr)
ASCENSEUR POUR BICYCLETTE

Publication
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Application
EP 21713939 A 20210319

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• AT 502462020 A 20200325
• EP 2021057146 W 20210319

Abstract (en)
[origin: WO2021191087A1] The invention relates to a bicycle lift, comprising: a support column (2) which is or can be connected to a stand (4); a transport carriage (3) which forms a receptacle for a front wheel (51) of a two-wheeled vehicle (50), in particular a bicycle, and which is movable along the support column (2) from a first position, in which the front wheel can be introduced into the transport carriage (3), into a second position, in which the two-wheeled vehicle (50) has assumed a storage position; a drive (6) which assists a movement of the transport carriage (3) from the first position into the second position; and a mechanism (8) which is arranged on the transport carriage (3). The mechanism (8) has a securing element (10), which is connected to the transport carriage (3) in a pivot joint (D) having a pivot axis (21) which runs substantially parallel to a longitudinal axis (L) of the support column (2), the securing element (10) having a gripping arm (22) to hold a wheel of a two-wheeled vehicle (50), and the support column (2) having a recess (43) in which a projection (9) of the securing element (10) can engage in the first position of the transport carriage (3) in order to secure said carriage in its position on the support column. When the projection (9) engages in the recess (43), the securing element (10) is pivoted out about the pivot axis until the gripping arm (22) releases a wheel located in the transport carriage and, when the projection (9) is deflected out of the recess (43) and the transport carriage (3) moves away from the first position, the projection (9) is arranged at such a small distance from the surface of the support column (2) that the securing element (10) cannot pivot back, so that a wheel (50) held by means of the gripping arm (22) cannot escape from the transport carriage (3).

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Citation (search report)
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