Title (en)

A RAIL-GUIDED CLIMBING SYSTEM

Title (de

SCHIENENGEFÜHRTES KLETTERSYSTEM

Title (fr)

UN SYSTÈME D'ESCALADE GUIDÉ SUR RAILS

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Application

EP 21843982 A 20211222

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Abstract (en)

[origin: WO2022136539A1] The invention relates to a climbing shoe device (1) for a rail-guided climbing system (11) which can be used, in particular, as a climbing formwork, a climbing frame, a climbing protective wall, and/or a climbing working platform. The climbing shoe device (1), which can be arranged on a structure in a stationary manner, comprises a shoe main part (2), at least one rail-guiding element (3a, 3b, 3a', 3b') which is coupled to the shoe main part (2) and which is designed such that in a guiding position of the rail-guiding element (3a, 3b, 3a', 3b') relative to the shoe main part (2), a first climbing shoe rail (9, 9a', 9a") and a second climbing shoe rail (9b, 9b', 9b") that are connected together by a lifting device (14, 15; 16, 17; 18; 19) and can be moved relative to each other can be directly or indirectly guided by the climbing shoe device (1), and first (10, 101, 102, 10a) and second latching/snapping elements (10', 10", 10b). Each of the latching/snapping elements is designed such that in a hooked position, which is pivoted outwards and/or extended with respect to the shoe main part (2), opposite one direction, the first climbing shoe rail (9, 9a', 9a'') can be hooked into the climbing shoe device (1) by means of the first latching/snapping element (10, 101, 102, 10a) and the second climbing shoe rail (9b, 9b', 9b") can be hooked into the climbing shoe device by means of the second latching/snapping element (10', 10", 10b), and in a cross-over position, which is pivoted inwards and/or retracted with respect to the shoe main part (2), in said direction, the first climbing shoe rail (9, 9 a', 9 a") can cross over the first latching/snapping element (10, 101, 102, 10a) and the second climbing shoe rail (9b, 9b', 9b") can cross over the second latching/snapping element (10, 101, 102, 10", 10b). Each of the first and second latching/snapping elements (10, 101, 102, 10a, 10', 10", 10b) is coupled to the shoe main part (2) so as to be movable between the hooked position and the cross-over position such that when the first (10, 101, 102, 10a) or second latching/snapping element (10', 10", 10b) is located in the hooked position, the other of the first and second latching/ snapping elements (10, 101, 102, 10a, 10', 10b) is located in the cross-over position, the hooked position, or a position therebetween.

IPC 8 full level

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