

Title (en)
HOISTING APPARATUS

Title (de)
HEBEVORRICHTUNG

Title (fr)
APPAREIL DE LEVAGE

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Application
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Abstract (en)
[origin: EP4187186A1] The invention relates to a hoisting apparatus (1) for gripping and lifting a load, comprising,- an outer housing (2) containing movable gripping jaws,- an inner housing (5) operatively connected to each gripping jaw by a lever mechanism (9a, 9b) in such a way, that a movement of the inner housing (5) against the outer housing (2) along a lifting direction (D2) causes the gripping jaws to move relative to each other along the gripping direction (D1), and- a locking mechanism (18) configured to allow or to prevent a relative movement of the inner housing (5) against the outer housing (2) in order to allow or to prevent the gripping jaws to move against each other along the gripping direction (D1).According to the invention, the locking mechanism (18) comprises a nut (25) rotatably connected to the inner housing (5) and screwed onto a spindle (21), wherein the spindle (21) is fixedly connected to the outer housing (2) such that the nut (25) rotates on the spindle (21) when the inner housing (5) is moved against the outer housing (2) along the lifting direction (D2), wherein the nut (25) is further fixedly connected to a brake disc (28) and the brake disc (28) is interacting with a brake unit (30) attached to the inner housing (5) in such a way, that in an activated state of the brake unit (30) a rotation of the brake disc (28) and the nut (25) is prevented in order to also prevent the gripping jaws (3, 4) to move against each other along the gripping direction (D1).

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