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GRAB

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Application
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Abstract (en)
[origin: WO2009080897A1] The grab according to the invention has a body (10, 34), at least two grapple sections (12) pivotally connected to the body, and actuators (50) for changing the position of the grapple sections. The grab has preferably six grapple sections, which are located symmetrically around an imaginary central axis of the grab. By using the actuators, the grapple sections can be rotated around their articulated coupling points between an opened and a closed position. The grapple sections are coupled to the body of the grab by swaged links (14). The actuator having adjustable length for changing the position of the grapple section is an actuator, which is coupled at its first end either directly or through a connecting piece to the second end of the grapple section and at its second end to the body of the grab. Preferably the actuator is a piston-cylinder actuator, such as a hydraulic cylinder. In one embodiment of the grab it has only one actuator for changing the position of the grapple sections. The body of the grab comprises a body plate (10) with a through-hole in the middle for the actuator. Attached to the second surface of the body plate there are support plates (34), which form an enclosed support structure to protect the actuator. The swaged links bearing the grapple sections are connected to the lugs (26) on the outer circumference of the first surface of the body plate.

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