

Title (en)
Gripper.

Title (de)
Greifer.

Title (fr)
Grappin.

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EP 0520178 B1 19951004 (DE)

Application
EP 92108187 A 19920515

Priority
DE 4120888 A 19910625

Abstract (en)
[origin: EP0520178A1] The invention relates to a gripper for picking up loads, in particular by frictional engagement. The crane hook lug (2) of the gripper acts on a pull frame (1), the bottom transverse web (3) of which carries one or more first pneumatic or hydraulic piston/cylinder units (4), the pistons (4a) of which are supported on the top transverse web (5) of a stirrup (6) which can be displaced relative to the pull frame (1) and continues in gripping jaws (8) which define a load-receiving opening (9), and arranged in one of the two gripping jaws (8) is a piston (10a), crossing the load-receiving opening, of a second piston/cylinder unit (10) which is connected on the pressure-medium side to the first piston/cylinder unit (4) by a line (11), the positions of the pistons (4a) of the first piston/cylinder unit (4) and of the second piston/cylinder unit (10) being set by appropriate filling quantities of pressure medium in the entire system in such a way that the piston (10a) of the second piston/cylinder unit (10) crosses the load-receiving opening (9) to close it before the piston or pistons (4a) of the first piston/cylinder unit (4) have reached their end position sunken in the cylinders (4b). <IMAGE>

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