

Title (en)

Automatic device for gas cylinder cap placing and prescrewing, in particular for liquefied petroleum gas cylinders.

Title (de)

Automatische Vorrichtung zum Setzen und Vorverschrauben von Verschlusskappen für Gaszylinder, insbesondere für Flaschen mit flüssigem Gas.

Title (fr)

Dispositif automatique pour placer et prévisser des capuchons de bouteilles de gaz, en particulier pour des bouteilles de gaz de pétrole de lignéfié.

Publication

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Application

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Priority

FR 9108367 A 19910704

Abstract (en)

[origin: EP0521581A1] The invention relates to an automatic device for placing and prescrewing of caps on gas cylinders. In accordance with the invention, the device has a rotatable support (101) carrying at least one gripping head (104) movable in rotation about a vertical axis and in parallel translation to that axis. Said support can be moved to take each head alternately to a cap gripping station or to a placing and prescrewing station for said caps; and the or each rotating gripping head (104) is equipped with mobile gripping fingers (106) and a central telescopic spindle whose lower end extends into a centering cone (123) for engaging the wheel (5) of the gas cylinder valve for perfect centering of the cap to be prescrewed on the axis of the collar, and whose upper end contacts a damping device (124) serving to limit the axial forces to which the external thread of the collar is subjected during prescrewing. Application to the automated handling of screw caps on gas cylinders, in particular LPG cylinders. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0919516A3; DE10352016B3; FR2790395A1; CN109606770A; CN105000517A; GR1005223B; CN109911824A; EP0889002A1; DE19728059C2; EP0636573A1; US5467527A; US9233820B2; US7162849B2; EP1424307A1; WO9530619A1

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