

Title (en)

FILLING DEVICE, ESPECIALLY FOR POURING A LIQUID OR A SOLID, FREE-FLOWING MEDIUM INTO CONTAINERS, ESPECIALLY CASKS, CLOSED BY SCREW CAPS OR PLUGS OF A DIFFERENT KIND

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Application

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Abstract (en)

[origin: US4821783A] In the disclosed apparatus, a belt feeds empty containers, into a filling station. At a waiting position in the station of the belt lifts a container with a support having centering rollers that permit horizontal displacement of the empty container while alignment pulleys engage the vertical sides of the container to rotate the container about its vertical axis so that its fill opening is at the leading edge of the container. A horizontally rotatable plate above the container but ahead of the waiting position sequentially applies an unplugging device and a level sensor to the container. When the belt moves the container to the filling position and when filling device has filled the container, the plate swings the unplugging device around to the filling position and plugs the container's fill opening. Upon further rotation, it positions a second device to apply a safety cap to the container. According to an preferred embodiment, the plate also carries a re-centring pin that enters the opening in the waiting position and prealigns moves the container on the rollers with the filling device at the filling position.

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IPC 8 full level

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