

Title (en)
Improvements relating to couplings for the dispensing of fluids from containers.

Title (de)
Verbindungen zur Flüssigkeitsabgabe aus Behältern.

Title (fr)
Raccords pour la distribution de liquides à partir de réservoirs.

Publication
EP 0345071 A1 19891206 (EN)

Application
EP 89305560 A 19890602

Priority
GB 8813101 A 19880603

Abstract (en)
A coupling for the dispensing of liquids from sealed containers is provided and comprises a round plug which is adapted to be screwed into an opening in the container. The plug has an axial bore for receiving a dispensing body which is sealed to the plug by pushing same into said axial bore followed by twisting of the body. A bayonet type connection ensures that the body and plug remain sealingly connected. When they are connected, two independent and mutually isolated fluid passages are set up which extend from inside to outside of the container through the plug and body whereby for example liquid can be forced from the container by introducing a gas under pressure through one of the passages to force the liquid out of the other passage. This prevents undesired contact of the liquid with the atmosphere. The plug is provided with a threaded portion in the axial bore for receiving a closure cap to close the axial when the said body is uncoupled from the plug, for example when being stored. The plug may have a narrow projecting sleeve portion for receiving frictionally a dip tube, the bore of said sleeve forming part of said axial bore.

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CPC (source: EP)
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Citation (search report)
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• [Y] EP 0202199 A1 19861120 - EUROBASE SPA [IT]
• [A] US 3782609 A 19740101 - ZUCCONI H
• [A] US 3545475 A 19701208 - JOHNSON ARTHUR L JR, et al

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US5094365A; JPH04505600A; EP0829451A1; EP0657382A3; US5755269A; WO9200914A3

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