

Title (en)

DEVICE FOR TWO-WAY TRANSFER OF A LIQUID BETWEEN A BOTTLE AND A CARTRIDGE

Title (de)

VORRICHTUNG ZUM BIDIREKTIONALEN ÜBERTRAGEN EINER IN EINEM FLACON ENTHALTENEN FLÜSSIGKEIT IN EINE AMPULLE

Title (fr)

DISPOSITIF DE TRANSFERT BIDIRECTIONNEL D'UN LIQUIDE ENTRE UN FLACON ET UNE CARPULE

Publication

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Application

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Abstract (en)

[origin: US6746438B1] The invention concerns a device for the two-way transfer of a liquid (38) between a bottle (14) provided with a cap (44) capable of being perforated at a cartridge (12) comprising a cylindrical reservoir (26) wherein slides a piston (34) capable of being perforated. It comprises: a body (16) including means to be fixed on the bottle (14); a member (24) linking the piston (34) capable of being perforated to the body (16); a shuttle (20) relative to the body (16) and said linking member (24), the shuttle bearing a hollow needle (22) whereof one first end (112) is adapted to pierce the piston (34) and whereof the second end (114) is adapted to pierce the cap (44). The shuttle (20) is mobile between a piston wherein the needle ends (112, 114) are spaced apart from the piston (34) capable of being perforated and the cap (44) capable of being perforated and an end-of-stroke transferring position wherein the needle ends (112, 114) are received in the cartridge (12) and the bottle (14).

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