

Title (en)
Beverage dispensing valve, in particular for a household refrigeration appliance

Title (de)
Ventil zur Abgabe eines Getränks, insbesondere für Kühlschrank

Title (fr)
Vanne pour soutirage de boisson, en particulier pour réfrigérateur domestique

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Application
EP 13159761 A 20130318

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Abstract (en)
[origin: EP2641864A2] The present invention relates to a beverage dispensing valve (10), in particular for a household refrigeration appliance (1), said valve (10) having a main body (20) comprising: - a first portion (21) for the entrance of the beverage into said valve (10); - an intermediate portion (201) for said beverage to flow through the valve (10), said intermediate portion (201) comprising at least one opening (20A) that allows the beverage to flow out of said intermediate portion (201); - a second portion (22) extending substantially parallel to an axis (A) of the valve (10), a sealing member (23) being associated with said second portion (22) in the proximity of a terminal part (22A) thereof, said valve (10) having a lower body (30) associated with the main body (20) in encircling relation to said second portion (22) and said at least one opening (20A) of the intermediate portion (201), said lower body (30) being adapted to slide axially over said intermediate portion (201) and second portion (22) to move: - from a first operating condition, in which an inner surface (31) of the lower body (30) cooperates with said sealing member (23) to prevent the beverage from coming out of said valve (10), - to a second operating condition, in which at least one gap (L) is formed between said inner surface (31) and said sealing member (23) to allow the flow of the beverage, and vice versa. The invention is characterized in that said valve (10) comprises a sleeve (40) having: - a first end (41), which is adapted to be coupled to said main body (20); - a second end (42), which is adapted to be coupled to said lower body (30); - an intermediate part (43) made of an elastic material, which is adapted to move from a substantially stretched state, occurring when the lower body (30) is in said first operating condition, to a contracted state, occurring when the lower body (30) is in said second operating condition, the intermediate part (43) of the sleeve (40) allowing a depression to be formed in said stretched state to prevent dripping downstream of the sealing member (23).

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Citation (search report)
• [A] AT 373564 B 19840210 - ARTMANN KURT [AT]
• [A] EP 0617261 A1 19940928 - ERCA [FR]
• [A] US 5857596 A 19990112 - LEE YONG-KWEON [KR]

Cited by
KR20120030682A; WO2021196959A1

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