

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

Title (de)
Getränkeausgabeventil, insbesondere für einen Haushaltskühlschrank

Title (fr)
Soupape de distribution de boisson, en particulier pour un appareil ménager frigorifique

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Application
EP 15151761 A 20130318

Priority

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- EP 13159761 A 20130318

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)

- [Y] WO 2007031647 A1 20070322 - LESAFFRE & CIE [FR], et al
- [Y] EP 1238941 A1 20020911 - CELLI SPA [IT]
- [Y] WO 2005100233 A1 20051027 - MULTIBRAS ELETRODOMESTICOS SA [BR], et al
- [A] EP 1190985 A2 20020327 - WHIRLPOOL CO [US]

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