

Title (en)

Control device for loading differentiated volumes of washing liquid in a dishwashing machine

Title (de)

Kontrollvorrichtung zum Eingeben von unterschiedlichen Mengen von Spülflüssigkeit in einer Geschirrspülmaschine

Title (fr)

Dispositif de contrôle pour charger différents volumes de liquide de lavage dans un lave-vaisselle

Publication

EP 0755651 B1 20021113 (EN)

Application

EP 96201808 A 19960629

Priority

IT MI950558 U 19950727

Abstract (en)

[origin: EP0755651A2] A device for controlling the loading of washing liquid in a dishwashing machine comprises a first tank (8) arranged as an offtake to the supply of liquid by a solenoid valve (4) for supplying a washing tank (1) of the dishwashing machine so as to receive a smaller first fraction of liquid, connecting means (15, 50) that keep the first tank (8) in communication with the tank (1) during the loading of the washing liquid so that the level of the liquid in the first tank (8) coincides with the level of the liquid in the washing tank (1), level detection means (9, 10, 13) associated with the first tank (8) to perform the closing of the supplying solenoid valve (4) when the level of the liquid in the first tank (8) and in the washing tank (1) exceeds a first predetermined level (L1), a second tank (16) also arranged as an offtake to the supply of liquid by the supplying solenoid valve (4) so as to receive a smaller second fraction of said liquid, and a syphon-like conduit (19) associated with said second tank (16) that is triggered when the level of the liquid in the second tank (16) reaches a second prescribed level (L2) so as to transfer the liquid present in the second tank (16) completely into the first tank (8) so as to determine the intervention of said level detection means (9, 10, 13). The second tank (16) is provided with a first baffle (20, 21) suitable for circumscribing a portion of tank (A, C). Air venting means (22, 23) are associated with said portion of tank (A, C) that can be opened or closed to allow or to prevent, when open or when closed, respectively, the liquid from filling said portion of tank (A, C), so that said second prescribed level (L2) is reached when a first or a second volume of liquid, respectively, is present in the second tank (16), the first volume of liquid being larger than the second volume of liquid. <IMAGE>

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