

Title (en)
DEVICE FOR HOT FILLING OF A CONTAINER

Title (de)
VORRICHTUNG ZUR HEISSABFÜLLUNG EINES BEHÄLTERS

Title (fr)
DISPOSITIF DE REMPLISSAGE A CHAUD D'UN CONTENANT

Publication
EP 3336052 A1 20180620 (EN)

Application
EP 17193867 A 20170928

Priority
IT 201600128351 A 20161219

Abstract (en)
Device for hot filling (1) of a container (100), comprising: a first fluid path (11) ending with a dispensing nozzle (2); a first valve (3) situated along said first fluid path (11) and upstream of said dispensing nozzle (2); a second fluid path (12) branching off from said first fluid path (11) at said first valve (3); a second valve (4) situated along said second fluid path (12); a first tank (5) communicating with said first fluid path (11); sanitisation means (7) of the dummy bottle type movable at least between a first position in which they are beneath said dispensing nozzle (2) and the outlet of said second fluid path (12) so as to receive the fluids coming from the first fluid path (11) and from the second fluid path (12), and a second position in which they are set away from said dispensing nozzle (2) and are beneath the outlet of said second fluid path (12); said hot filling device (1) being at least configurable in: - a filling status in which the first tank (5) contains a food fluid, the sanitisation means (7) are in the second position, the first valve (3) is open so as to allow the food fluid coming from the first tank (5) to arrive at the dispensing nozzle (2) and the second valve (4) is closed; - a sanitisation status in which the first tank (5) contains a sanitisation fluid, the sanitisation means (7) are in the first position, the first valve (3) is open and the second valve (4) is open so as to allow the sanitisation fluid coming from the first tank (5) to arrive at the sanitisation means (7) both via the dispensing nozzle (2) and via the outlet of the second fluid path (12); and - a recirculation status in which the first tank (5) contains the food fluid, the sanitisation means (7) are in the second position, the first valve (3) is closed and the second valve (4) is open so that the food fluid returns to the first tank (5) via a closed path passing through the sanitisation means (7) and a further fluid path (13, 14) developing from said sanitisation means (7) to said first tank (5).

IPC 8 full level
B67C 3/00 (2006.01); **B67C 3/04** (2006.01)

CPC (source: EP)
B67C 3/004 (2013.01); **B67C 3/045** (2013.01)

Citation (search report)
• [A] EP 2610210 A1 20130703 - SIDEL SPA CON SOCIO UNICO [IT]
• [A] CN 202829550 U 20130327 - GUANGZHOU TECH LONG PACKAGING MACHINERY CO LTD

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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