

Title (en)
Filling nozzle for a filling machine

Title (de)
Füllventil für eine Füllmaschine

Title (fr)
Bec de remplissage pour une machine de remplissage

Publication
EP 1314685 A3 20040102 (EN)

Application
EP 02425702 A 20021115

Priority
IT BO20010724 A 20011127

Abstract (en)
[origin: EP1314685A2] Fluid products are dispensed from a device (1) with a tubular nozzle (5) of which the filler outlet (7) incorporates a system (19) designed so that droplets of condensate and/or particles of the fluid product collecting on the nozzle (5) will be carried away and drained off outside the actual filling area (8). <IMAGE>

IPC 1-7
B67C 3/26

IPC 8 full level
B67C 3/26 (2006.01)

CPC (source: EP)
B67C 3/2611 (2013.01)

Citation (search report)
• [X] FR 2332228 A1 19770617 - BUITONI PERUGINA IND IBP [IT]
• [X] EP 1000898 A1 20000517 - STORK BP & L BV [NL]
• [X] US 3002540 A 19611003 - MONROE CHARLES Z, et al

Cited by
CN107376424A; CN114476231A; CN111252720A; CN114751352A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1314685 A2 20030528; EP 1314685 A3 20040102; EP 1314685 B1 20100825; AT E478829 T1 20100915; DE 60237418 D1 20101007; ES 2350684 T3 20110126; IT BO20010724 A0 20011127; IT BO20010724 A1 20030527; RU 2291102 C2 20070110

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EP 02425702 A 20021115; AT 02425702 T 20021115; DE 60237418 T 20021115; ES 02425702 T 20021115; IT BO20010724 A 20011127; RU 2002131791 A 20021126