

Title (en)

APPARATUS COMPRISING A DOSAGING DEVICE FOR A LIQUID PRODUCT AND A METHOD FOR IT

Publication

EP 0013132 B1 19840328 (EN)

Application

EP 79302970 A 19791219

Priority

- AU 2390084 A 19840127
- GB 7849113 A 19781219

Abstract (en)

[origin: EP0062929A2] An aseptic packaging machine 1 includes a chain conveyor conveying cartons along a path P in an aseptic chamber 6 including an advance leg and a return leg each extending along the machine 1. Ultra-violet germicidal lamps 8 extend over at least a major portion of the advance leg. Aseptic liquid is fed into the cartons C by a filling device 9 comprised of, in turn, an expansion chamber, a non-return inlet valve, a reciprocatory bellows and a non-return outlet valve. After filling, the cartons are top-heated and sealed by a top-heating device 10 and a top-sealing device 11. The only non-aseptic matter deliberately introduced into the chamber 6 is the cartons C. The chamber 6 is cleaned internally by cleaning fluid from spray nozzles. The carton entry to and exit from the chamber 6 have aseptic air curtains.

IPC 1-7

B65B 55/04; **B65B 3/12**; **B65B 3/22**

IPC 8 full level

B65B 3/12 (2006.01); **B65B 55/02** (2006.01)

CPC (source: EP)

B65B 3/12 (2013.01); **B65B 55/027** (2013.01)

Cited by

US4703609A; EP0162968A1; US4368081A; EP0624518A3; CN113490627A; US4512379A; US4944132A; US4648421A; US11878840B2; US12006098B2; WO2010103555A1; JP2012520116A

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