Title (en)

Method and plant for the aseptic packaging of fresh food products in flexible or rigid containers

Title (de)

Verfahren und Anlage zum aseptischen Verpacken von frischen Nahrungsmitteln in nachgiebigen oder steifen Verpackungen

Title (fr)

Procédé et installation de conditionnement aseptique de produits alimentaires frais dans des emballages souples ou rigides

Publication

EP 0749897 B1 19991201 (FR)

Application

EP 96401309 A 19960617

Priority

FR 9507604 A 19950623

Abstract (en)

[origin: EP0749897A1] The installation involves, after pre-washing, peeling and cutting the vegetables, asepticising them in a first sealed caisson (10,11) by a continuous current of superheated steam for between 1 and 15 minutes. The steam is at a temperature between 105 and 140 deg. and a pressure between 0.5 and 1 bar. The products are then transferred into a second sealed caisson (20,21), containing the steam coming from the first caisson, and directed to the next stage or to a recovery tray. Inside a third caisson (30,32) the products are transferred towards a first sealed chamber (40) and injected with carbonic gas or helium. The products are weighed and a determined weight is placed in flexible or rigid unclosed packages (45). The packages are transferred successively into a second sealed chamber (60). In the second chamber the packages are injected with steam whilst under vacuum. Steam injection is stopped and a mixture of between 40% and 90% nitrogen, between 60% and 10% carbonic gas and between 1% and 10% oxygen is injected and the packages sealed. At exit from the chamber the packages are cooled to about 2 deg.

IPC 1-7

B65B 25/04; B65B 55/14

IPC 8 full level

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CPC (source: EP)

B65B 25/041 (2013.01); **B65B 55/027** (2013.01); **B65B 55/18** (2013.01)

Cited by

US8484933B2; WO2009018990A1; IT202000026996A1; US2011225931A1; AU2008285922B2; US10006714B2; US10113794B2

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