

Title (en)  
METHOD AND DEVICE FOR THE OXYGEN-FREE PACKAGING OF PRODUCTS

Publication  
**EP 0298481 A3 19891123 (DE)**

Application  
**EP 88110877 A 19880707**

Priority  
DE 3722747 A 19870709

Abstract (en)  
[origin: EP0298481A2] The invention relates to a method and a device for the oxygen-free packaging of product 5, e.g. foodstuffs, in containers 1. It is proposed that liquid nitrogen be metered into the containers 1 immediately before and/or after the product 5 is introduced into the containers. The gaseous nitrogen formed by evaporation of the liquid nitrogen forces the oxygen out of the containers 1. The containers 1 are then transferred to an inert zone 7 into which gaseous nitrogen is passed. Finally, the containers 1 are sealed in the inert zone 7.

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**B65B 31/00**

IPC 8 full level  
**B65B 25/00** (2006.01); **B65B 31/00** (2006.01)

CPC (source: EP)  
**B65B 25/001** (2013.01)

Citation (search report)  
• [X] US 3477192 A 19691111 - BROWN MICHAEL, et al  
• [A] EP 0173763 A1 19860312 - RAKU KUNSTSTOFF VERPACKUNGSWER [DE]  
• [A] US 2917880 A 19591222 - JOHN HOHL

Cited by  
DE3912153C1; ES2070026A1; WO2004058573A1; WO2007082592A1; WO2012087753A3

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DE 3722747 A1 19890119; DE 3870057 D1 19920521

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