

Title (en)

Energy-saving machine for packaging products with heat-shrinking film

Title (de)

Energiesparende Vorrichtung zum Verpacken von Produkten mit heisschumpfender Folie

Title (fr)

Installation, permettant une économie d' énergie, pour emballer des produits avec un film thermorétractable

Publication

EP 1232948 B1 20041020 (EN)

Application

EP 02075532 A 20020211

Priority

IT MI20010294 A 20010214

Abstract (en)

[origin: EP1232948A1] An energy-saving machine for packaging products with heat-shrinking film comprises a structure (11) consisting of a cover or dome (13), or upper part of the machine, which is arranged on a tank (12), or lower part, to define a chamber (15, A, B), said chamber being equipped with at least one heat source (21A, 21B), one fan (20, 20A, 20B) for circulating the air heated by said heat source and one transportation and support group (22, 22A, 22B) of a product (23) to be packaged, moreover being foreseen means for cutting and heat-sealing said film. According to the invention said machine foresees a dividing wall (17, 18) arranged in said dome (13) and/or said tank (12) to define at least two separate zones (A, B) which can be used together or separately. <IMAGE>

IPC 1-7

B65B 53/06

IPC 8 full level

B65B 53/06 (2006.01)

CPC (source: EP US)

B65B 53/063 (2013.01 - EP US); **B65B 59/001** (2019.04 - EP US)

Cited by

EP2347960A1; FR2993247A1; FR2993246A1; CN104470810A; WO2014009528A1; WO2014009529A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1232948 A1 20020821; **EP 1232948 B1 20041020**; **EP 1232948 B8 20050608**; AT E280087 T1 20041115; DE 60201613 D1 20041125; DE 60201613 T2 20051124; ES 2231642 T3 20050516; IT MI20010294 A1 20020814; PT 1232948 E 20050331; US 2002108354 A1 20020815

DOCDB simple family (application)

EP 02075532 A 20020211; AT 02075532 T 20020208; DE 60201613 T 20020211; ES 02075532 T 20020211; IT MI20010294 A 20010214; PT 02075532 T 20020208; US 7102102 A 20020208