

Title (en)
APPARATUS FOR THE HEAT TREATMENT OF PACKS

Title (de)
VORRICHTUNG ZUR WÄRMEBEHANDLUNG VON PACKUNGEN

Title (fr)
DISPOSITIF DE TRAITEMENT THERMIQUE DE PAQUETS

Publication
EP 1928748 A1 20080611 (DE)

Application
EP 06791579 A 20060816

Priority
• EP 2006008059 W 20060816
• DE 102005046304 A 20050927

Abstract (en)
[origin: DE102005046304A1] The method involves subjecting box-shaped packages (10) with heat on two opposite sides of the packages such as in an area of upwardly or downwardly directed front side or a rear side of the packages. The heat transferred on the packages is controlled within a shrinkage unit (20) at several shrinking positions of the packages in such a manner that a relatively higher temperature and a relatively lower temperature are transferred in an area of one of the shrinking positions. An independent claim is also included for a device for heat treatment of a box-shaped package e.g. cigarette package.

IPC 8 full level
B65B 53/02 (2006.01); **B65B 19/22** (2006.01)

CPC (source: EP US)
B65B 19/22 (2013.01 - EP US); **B65B 53/02** (2013.01 - EP US)

Citation (third parties)
Third party :
• US 2037631 A 19360414 - HULTIN OSCAR H
• US 3166462 A 19650119 - JOSEF SCHODER EDUARD
• EP 1574435 A2 20050914 - HAUNI MASCHINENBAU AG [DE]
• See also references of WO 2007036262A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2008250757 A1 20081016; US 7784253 B2 20100831; AT E483638 T1 20101015; BR PI0616354 A2 20110614; CN 101272959 A 20080924; CN 101272959 B 20110511; DE 102005046304 A1 20070329; DE 502006008041 D1 20101118; EP 1928748 A1 20080611; EP 1928748 B1 20101006; JP 2009509872 A 20090312; JP 5161780 B2 20130313; PL 1928748 T3 20110331; WO 2007036262 A1 20070405

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