

Title (en)

METHOD OF SHRINKING A SHRINK-FIT FILM ONTO PACKS

Title (de)

VERFAHREN ZUM AUFSCHRUMPFEN EINER SCHRUMPFOLIE AUF VERPACKUNGEN

Title (fr)

PROCÉDÉ POUR EMMANCHER UN FILM RÉTRACTABLE SUR DES EMBALLAGES

Publication

**EP 2049401 B2 20131023 (DE)**

Application

**EP 07786448 A 20070731**

Priority

- EP 2007006750 W 20070731
- DE 102006036590 A 20060804

Abstract (en)

[origin: US2010031608A1] A method of shrink wrapping packs of containers and a shrink-wrapping arrangement for performing the method. The abstract of the disclosure is submitted herewith as required by 37 C.F.R. §1.72(b). As stated in 37 C.F.R. §1.72(b): A brief abstract of the technical disclosure in the specification must commence on a separate sheet, preferably following the claims, under the heading "Abstract of the Disclosure." The purpose of the abstract is to enable the Patent and Trademark Office and the public generally to determine quickly from a cursory inspection the nature and gist of the technical disclosure. The abstract shall not be used for interpreting the scope of the claims. Therefore, any statements made relating to the abstract are not intended to limit the claims in any manner and should not be interpreted as limiting the claims in any manner.

IPC 8 full level

**B65B 53/06** (2006.01)

CPC (source: EP US)

**B65B 53/06** (2013.01 - EP US); **B65B 53/063** (2013.01 - EP US); **B65B 53/066** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 4979314 A 19901225 - FRESNEL JACQUES [FR]
- DE 19920057 A1 20001109 - KALLFASS GMBH [DE]
- WO 0236436 A1 20020510 - NEAGLE CLAUDE ANDREW [US], et al

Cited by

DE102010032455B4; DE102010032455A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2010031608 A1 20100211**; **US 9032696 B2 20150519**; AT E481325 T1 20101015; BR PI0714079 A2 20121218; CN 101511679 A 20090819; DE 102006036590 A1 20080207; DE 502007005069 D1 20101028; EP 2049401 A1 20090422; EP 2049401 B1 20100915; EP 2049401 B2 20131023; JP 2009545495 A 20091224; MX 2009001297 A 20090316; RU 2009107683 A 20100910; WO 2008014968 A1 20080207

DOCDB simple family (application)

**US 36386509 A 20090202**; AT 07786448 T 20070731; BR PI0714079 A 20070731; CN 200780032726 A 20070731; DE 102006036590 A 20060804; DE 502007005069 T 20070731; EP 07786448 A 20070731; EP 2007006750 W 20070731; JP 2009522161 A 20070731; MX 2009001297 A 20070731; RU 2009107683 A 20070731