

Title (en)
Method and apparatus for packaging a plurality of packages in containers

Title (de)
Verfahren und Vorrichtung zum Verpacken einer Mehrzahl von Packungen in Behältern

Title (fr)
Procédé et appareil pour emballer plusieurs emballages dans des conteneurs

Publication
EP 1407967 B1 20051005 (DE)

Application
EP 03015168 A 20030704

Priority
DE 10247156 A 20021009

Abstract (en)
[origin: EP1407967A1] The procedure for the packing of pouches containing a liquid, for example, in trays or cartons (5) entails at first feeding the undefined aligned pouches in a lying position, then separating them, orientating them and standing them up through 90 degrees. The pouches now in an upright position during further transportation are held on both sides, and equally spaced apart an equal number of pouches are introduced into cassettes (11) moving at right angles to the transporting direction in which they are pressed one against the other. In this state they are moved by a conveyor belt (2). An Independent claim is included for a system for the executing of the proposed procedure including a feed conveyor belt (7) to feed the pouches into a unit for separating, orientating and erecting the pouches, a gripping unit (9), a transfer station (10) and a delivery conveyor belt (2).

IPC 1-7
B65B 5/06; **B65B 5/08**

IPC 8 full level
B65B 5/06 (2006.01); **B65B 5/08** (2006.01)

CPC (source: EP)
B65B 5/061 (2013.01); **B65B 5/068** (2013.01); **B65B 5/08** (2013.01)

Cited by
DE102009025202A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 1407967 A1 20040414; **EP 1407967 B1 20051005**; DE 50301292 D1 20060216; ES 2246445 T3 20060216

DOCDB simple family (application)
EP 03015168 A 20030704; DE 50301292 T 20030704; ES 03015168 T 20030704