

Title (en)
CONTAINER WITH A PNEUMATICALLY DRIVEN LOCKING MECHANISM

Title (de)
BEHÄLTER MIT PNEUMATISCH ANGETRIEBENEM VERRIEGELUNGSMECHANISMUS

Title (fr)
RECIPIENT DOTE D'UN MECANISME DE BLOCAGE A ENTRAINEMENT PNEUMATIQUE

Publication
EP 1355837 B1 20050427 (DE)

Application
EP 02704613 A 20020128

Priority
• DE 0200283 W 20020128
• DE 10104067 A 20010129

Abstract (en)
[origin: US2004124647A1] The invention relates to a container with a pneumatically driven locking mechanism and more specifically a container. One disadvantage of conventional containers is that when they are stacked on top of each other, it is not possible to raise and transport several of such containers at the same time. Another disadvantage is that stacked containers have hitherto needed to be locked manually, resulting in a considerable safety risk for dock workers and ship workers. The aim of the invention is to provide a container which is fitted in such a way that it can be locked with other similar containers without the need for manual activity and enable several stacked containers to be transported simultaneously. This is achieved by providing the container with corners having pneumatically driven, rotatable and displaceable locking devices arranged therein. The lower ends thereof have locking elements which engage with corresponding hollow bodies which are arranged in upper corner areas in order to receive the locking devices and which can lock the containers with each other. A control unit and a signalling element for detecting the exact position of the locking mechanism are also provided.

IPC 1-7
B65D 90/00

IPC 8 full level
B65D 90/00 (2006.01)

CPC (source: EP KR US)
B65D 90/0013 (2013.01 - EP US); **B65D 90/08** (2013.01 - KR)

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)
US 2004124647 A1 20040701; AT E294120 T1 20050515; CN 1211264 C 20050720; CN 1489544 A 20040414; DE 10104067 A1 20020801; DE 50202902 D1 20050602; EP 1355837 A2 20031029; EP 1355837 B1 20050427; HK 1062001 A1 20041015; KR 100510607 B1 20050830; KR 20030074750 A 20030919; WO 02060787 A2 20020808; WO 02060787 A3 20021128

DOCDB simple family (application)
US 47050303 A 20030729; AT 02704613 T 20020128; CN 02804287 A 20020128; DE 0200283 W 20020128; DE 10104067 A 20010129; DE 50202902 T 20020128; EP 02704613 A 20020128; HK 04103029 A 20040429; KR 20037009971 A 20030728