

Title (en)

Cargo container with a doors locking mechanism and method of closing the doors of such a container

Title (de)

Frachtcontainer mit einem Türverriegelungsmechanismus und Verfahren zum Schließen die Türen von einem solchen Frachtcontainer

Title (fr)

Conteneur de fret avec un mécanisme de verrouillage de portes et méthode pour fermer les portes d'un tel conteneur

Publication

EP 2567911 B1 20160525 (EN)

Application

EP 12181617 A 20120824

Priority

LT 2011079 A 20110907

Abstract (en)

[origin: EP2567911A1] The goal of this invention is improved and safe locking mechanisms, i.e. constructions of a lower automatic and an upper improved locking mechanisms that are designed for protection against deformation of doors in cargo containers, as well as a method of usage of the lower automatic locking mechanism that is designed to make a driver's work easier. Trying to strengthen and protect container doors from deformation, it is offered to use an automatic lower locking mechanism instead of an additional standard lower locking mechanism, and to use an improved upper locking mechanism instead of a standard upper locking mechanism. The essence of the lower automatic locking mechanism is a construction, which automatically locks up when container doors are pushed to close. The usage of the lower automatic locking mechanism makes a driver's work easier, as it is easier and more comfortable for a driver to close doors and locking mechanisms and not to care about the closing of the lower automatic locking mechanism. The essence of the upper improved locking mechanism is a construction, which in the locked up state, when the pressure from the inner space of a container is periodically changing, adopts to the pressure differences and not only performs the function of the lock, but also protects container doors and container sides against deformation.

IPC 8 full level

B65D 88/12 (2006.01); **B65D 90/00** (2006.01); **E05B 53/00** (2006.01); **E05B 83/02** (2014.01); **E05C 3/30** (2006.01); **E05B 83/10** (2014.01)

CPC (source: EP)

B65D 88/123 (2013.01); **B65D 90/008** (2013.01); **E05B 53/00** (2013.01); **E05B 83/02** (2013.01); **E05C 3/30** (2013.01); **E05B 83/10** (2013.01)

Cited by

DK201600472A1; ES2584453A1; EP2845822A1; CN109051393A; CN109051394A; FR3007393A1; DE102012009047B4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2567911 A1 20130313; **EP 2567911 B1 20160525**; DK 2567911 T3 20160829; LT 2011079 A 20120326; LT 5832 B 20120525; PL 2567911 T3 20170228

DOCDB simple family (application)

EP 12181617 A 20120824; DK 12181617 T 20120824; LT 2011079 A 20110907; PL 12181617 T 20120824