

Title (en)

TRANSPORTATION MODULE FOR TRANSPORTING A PLURALITY OF GAS CYLINDERS

Title (de)

TRANSPORTMODUL ZUM TRANSPORT EINER VIELZAHL VON GASFLASCHEN

Title (fr)

MODULE DE TRANSPORT POUR TRANSPORTER UNE PLURALITÉ DE CYLINDRES DE GAZ

Publication

EP 3557116 A1 20191023 (EN)

Application

EP 18020166 A 20180420

Priority

EP 18020166 A 20180420

Abstract (en)

The present invention pertains to a transportation module (1), a modular transportation system (200), and a method for providing said system (200) for transporting a plurality of gas cylinders (2) and which facilitates and increases the safety of the transportation of gas cylinders while at the same time being compatible with automated solutions and a variety of standardized transportation methods. Accordingly, a transportation module (1) is suggested, comprising a support (3) for adjacently accommodating a plurality of gas cylinders (2) in a first direction (R1), and a first (10) and second sidewall (12), which are arranged in parallel, wherein the support (3) is arranged between the sidewalls (10, 12) and connected to the sidewalls (10, 12). Each of the sidewalls (10, 12) comprises a first (100) and second surface (120) on opposing sides in a second direction (R2) perpendicular to the first direction (R1), wherein the first surface (100) is configured to provide a stackable interface (140) with the second surface (120) of a second transportation module (1) in the second direction (R2).

IPC 8 full level

F17C 13/08 (2006.01)

CPC (source: EP)

F17C 13/084 (2013.01); **F17C 2201/0119** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/0107** (2013.01); **F17C 2205/0111** (2013.01); **F17C 2205/013** (2013.01); **F17C 2205/0157** (2013.01); **F17C 2205/0169** (2013.01); **F17C 2205/05** (2013.01); **F17C 2205/054** (2013.01); **F17C 2223/036** (2013.01); **F17C 2270/01** (2013.01)

Citation (search report)

- [X] US 6067913 A 20000530 - BENNETT RICHARD C [US]
- [XI] DE 19935361 A1 20010222 - BORNEMANN DETLEF [DE]
- [XI] US 4391377 A 19830705 - ZIAYLEK JR THEODORE [US]
- [X] EP 1571096 B1 20131113 - MALACHY HUGHES [GB]
- [XI] DE 102012018881 A1 20140327 - MESSER GASPACK GMBH [DE]

Cited by

CN112407007A; CN114323281A; NO20210349A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3557116 A1 20191023

DOCDB simple family (application)

EP 18020166 A 20180420