

Title (en)

STACKABLE BUNDLE OF COMPRESSED GAS CYLINDERS

Title (de)

STAPELBARES DRUCKGASFLASCHENBÜNDEL

Title (fr)

ASSEMBLAGE DE BOUTEILLES DE GAZ SOUS PRESSION EMPILABLE

Publication

EP 2901070 B1 20210818 (DE)

Application

EP 13766338 A 20130925

Priority

- DE 102012018881 A 20120925
- EP 2013069930 W 20130925

Abstract (en)

[origin: WO2014048966A2] In order to achieve secure and reliable stackability, a bundle of compressed gas cylinders according to the invention is equipped, on the upper horizontal surface of the framework, said horizontal surface bounding the bundle of compressed gas cylinders on the upper side, with a plurality of centring elements which protrude from the upper horizontal surface and, in the stacked state, engage in one or more centring openings which are arranged in a base surface of the framework of a bundle of compressed gas cylinders positioned thereabove. The centring elements can be designed here so as to taper for automatic centring, and a plurality of centring elements which, in the stacked state, engage in an individual centring opening on the base surface can be provided.

IPC 8 full level

F17C 13/08 (2006.01)

CPC (source: EP)

F17C 13/084 (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/054** (2013.01); **F17C 2201/056** (2013.01); **F17C 2205/0107** (2013.01); **F17C 2205/0142** (2013.01); **F17C 2205/0169** (2013.01); **F17C 2205/0329** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2223/035** (2013.01); **F17C 2250/043** (2013.01); **F17C 2270/05** (2013.01); **F17C 2270/07** (2013.01)

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)

DE 102012018881 A1 20140327; EP 2901070 A2 20150805; EP 2901070 B1 20210818; EP 3364096 A1 20180822; EP 3364096 B1 20220202; ES 2893228 T3 20220208; ES 2908274 T3 20220428; HR P20211609 T1 20220121; HU E056156 T2 20220128; PL 2901070 T3 20220124; PL 3364096 T3 20220425; WO 2014048966 A2 20140403; WO 2014048966 A3 20140717

DOCDB simple family (application)

DE 102012018881 A 20120925; EP 13766338 A 20130925; EP 18160742 A 20130925; EP 2013069930 W 20130925; ES 13766338 T 20130925; ES 18160742 T 20130925; HR P20211609 T 20130925; HU E13766338 A 20130925; PL 13766338 T 20130925; PL 18160742 T 20130925