

Title (en)
COMPRESSED GAS CYLINDER BUNDLE WITH TAMPER-PROOF DEVICE

Title (de)
DRUCKGASFLASCHENBÜNDEL MIT ORIGINALITÄTSSICHERUNG

Title (fr)
CADRES DE BOUTEILLES DE GAZ COMPRIMÉ À FERMETURE INVOLABLE

Publication
EP 2823215 B1 20210818 (DE)

Application
EP 13707382 A 20130303

Priority
• DE 102012004391 A 20120303
• EP 2013054228 W 20130303

Abstract (en)
[origin: WO2013131833A1] A tamper-proof device (20) for compressed gas cylinder bundles comprises a belt-shaped securing section made of a flexible material which extends in the installed state over a removal valve (7) of a compressed gas cylinder bundle and prevents unauthorised removal of gas from the compressed gas cylinder bundle. Connecting sections (22, 22'), which are guided through bores (18, 19) in the support frame of the compressed gas cylinder bundle are provided at both ends of the device on the securing section. One or more predetermined breaking points (24, 24') in the securing section or the connecting sections ensure that the tamper-proof device cannot be removed from the compressed gas cylinder bundle without being damaged or destroyed in the process.

IPC 8 full level
F17C 13/08 (2006.01)

CPC (source: EP)
F17C 13/084 (2013.01); **F17C 2201/0104** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/056** (2013.01); **F17C 2203/0617** (2013.01); **F17C 2203/0639** (2013.01); **F17C 2203/0646** (2013.01); **F17C 2203/0663** (2013.01); **F17C 2205/0107** (2013.01); **F17C 2205/0142** (2013.01); **F17C 2205/0188** (2013.01); **F17C 2205/0329** (2013.01); **F17C 2205/0338** (2013.01); **F17C 2205/051** (2013.01); **F17C 2205/052** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2223/0153** (2013.01); **F17C 2223/035** (2013.01); **F17C 2223/036** (2013.01); **F17C 2250/043** (2013.01); **F17C 2270/01** (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 102012004391 A1 20130905; EP 2823215 A1 20150114; EP 2823215 B1 20210818; ES 2893226 T3 20220208; HU E056693 T2 20220328; PL 2823215 T3 20211227; WO 2013131833 A1 20130912

DOCDB simple family (application)
DE 102012004391 A 20120303; EP 13707382 A 20130303; EP 2013054228 W 20130303; ES 13707382 T 20130303; HU E13707382 A 20130303; PL 13707382 T 20130303