

Title (en)
PROTECTIVE CASING FOR CYLINDER FOR PRESSURIZED GASES

Title (de)
SCHUTZHÜLLE FÜR DRUCKGASZYLINDER

Title (fr)
GAINE PROTECTRICE POUR DES BOITIERS POUR DES GAZES SOUS PRESSION

Publication
EP 3093548 A1 20161116 (EN)

Application
EP 15382559 A 20151111

Priority
ES 201530603 A 20150504

Abstract (en)
Lightweight container for containing and transporting gases under high pressure, comprising an inner metal sleeve (6), a composite casing (12) around said sleeve (6) and a protective sheath of thermoplastic material formed by two parts (13-13') that can be coupled to each other by interposing clips (16-17), comprising on the bottom a stand (21) attached by rivets to the lateral surface of the bottom part (13'), the assembly defining a lightweight and strong container that is suitable and ideal for transporting pressurized gases, while also having the feature that the outer surface includes hexagonal segments that allow a completely compact packaging, preventing the displacement or rotation of the containers.

IPC 8 full level
F17C 1/04 (2006.01)

CPC (source: EP ES)
F17C 1/00 (2013.01 - EP); **F17C 1/02** (2013.01 - ES); **F17C 2205/0115** (2013.01 - EP); **F17C 2205/018** (2013.01 - EP);
F17C 2205/0308 (2013.01 - EP); **F17C 2205/058** (2013.01 - EP); **F17C 2260/015** (2013.01 - EP); **F17C 2270/0745** (2013.01 - EP)

Citation (search report)
• [I] JP 2011208720 A 20111020 - YACHIYO IND CO LTD
• [A] US 4022343 A 19770510 - RICHARDSON JOHN ERIC
• [A] WO 2014152505 A1 20140925 - WORTHINGTON CYLINDERS CORP [US], et al
• [A] WO 2012131724 A2 20121004 - GENEX SCIENCE AND TECHNOLOGIES PVT LTD [IN], et al
• [A] DE 8710872 U1 19870924

Cited by
DE102018128364A1

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 3093548 A1 20161116; **EP 3093548 B1 20190522**; ES 2589058 A1 20161108; ES 2589058 B1 20170907; ES 2737674 T3 20200115;
PL 3093548 T3 20200331; PT 3093548 T 20190820; TR 201910801 T4 20190821

DOCDB simple family (application)
EP 15382559 A 20151111; ES 15382559 T 20151111; ES 201530603 A 20150504; PL 15382559 T 20151111; PT 15382559 T 20151111;
TR 201910801 T 20151111