

Title (en)
TAMPER-INDICATING ELEMENT FOR A COMPRESSED-GAS CYLINDER

Title (de)
ORIGINALITÄTSKENNZEICHNUNG FÜR EINE DRUCKGASFLASCHE

Title (fr)
DISPOSITIF D'INVOLABILITÉ POUR UNE BOUTEILLE DE GAZ COMPRIMÉ

Publication
EP 2678601 B1 20150701 (DE)

Application
EP 12707268 A 20120224

Priority
• DE 102011012318 A 20110225
• EP 2012053200 W 20120224

Abstract (en)
[origin: WO2012113928A1] The invention relates to a tamper-indicating element for a compressed-gas cylinder, on the neck ring or cylinder neck of which a protective cap is removably arranged. The tamper-indicating element according to the invention consists of an indication ring arranged between the protective cap and the shoulder of the neck ring or of the cylinder neck. The indication ring comprises at least two ring segments, which are connected to each other by connecting profiles with a predetermined breaking point. The connecting profiles comprise a pressing area protruding from the indication ring and two legs extending from the latter and, at least over a certain portion, converging in the direction of the indication ring. The connecting profiles formed in this way ensure that the indication ring contracts when the protective cap is placed on, and consequently firmly engages the neck ring, even after breaking of the predetermined breaking point, up until the protective cap is removed. After removal of the protective cap, the ring broken at the predetermined breaking points falls into individual pieces and comes off the compressed-gas cylinder.

IPC 8 full level
F17C 13/06 (2006.01)

CPC (source: EP)
F17C 13/06 (2013.01); **F17C 2201/056** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/05** (2013.01); **F17C 2260/028** (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

DOCDB simple family (publication)
DE 102011012318 A1 20120830; EP 2678601 A1 20140101; EP 2678601 B1 20150701; ES 2547578 T3 20151007;
HR P20150990 T1 20151023; HU E027640 T2 20161128; PL 2678601 T3 20151231; SI 2678601 T1 20151130; WO 2012113928 A1 20120830

DOCDB simple family (application)
DE 102011012318 A 20110225; EP 12707268 A 20120224; EP 2012053200 W 20120224; ES 12707268 T 20120224;
HR P20150990 T 20150918; HU E12707268 A 20120224; PL 12707268 T 20120224; SI 201230304 T 20120224