

Title (en)

COMPRESSED AIR TANK FOR UTILITY VEHICLES AND METHOD OF MANUFACTURE

Title (de)

DRUCKLUFTBEHÄLTER FÜR NUTZFAHRZEUGE UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

RÉSERVOIR À AIR COMPRIMÉ POUR VÉHICULES UTILITAIRES ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 2373920 B1 20121128 (DE)

Application

EP 09799332 A 20091217

Priority

- EP 2009067405 W 20091217
- DE 102008063859 A 20081219
- DE 102009020385 A 20090508

Abstract (en)

[origin: WO2010070044A1] The invention relates to a compressed air tank for utility vehicles, comprising a tubular or cylindrical jacket sealed at both ends by way of welded outer bases. At least one outer base and/or the jacket is provided with a hole. A sleeve is welded onto the hole. At least the inside of the compressed air tank is provided with an inner coating. The contact surfaces between the jacket and the outer bases are adapted such that the contact surfaces abut one another and such that the contact surfaces can be welded together without using any weld material through laser welding. The sleeve is welded onto the hole by way of laser welding or CD welding. The inner coating of the tank is manufactured by powder coating.

IPC 8 full level

F17C 1/00 (2006.01)

CPC (source: EP KR US)

F17C 1/00 (2013.01 - EP KR US); **F17C 13/00** (2013.01 - KR); **F17C 2201/0109** (2013.01 - EP US); **F17C 2201/0119** (2013.01 - EP US); **F17C 2201/056** (2013.01 - EP US); **F17C 2203/0607** (2013.01 - EP US); **F17C 2203/0617** (2013.01 - EP US); **F17C 2203/0639** (2013.01 - EP US); **F17C 2203/0643** (2013.01 - EP US); **F17C 2203/0646** (2013.01 - EP US); **F17C 2203/0648** (2013.01 - EP US); **F17C 2205/0305** (2013.01 - EP US); **F17C 2209/221** (2013.01 - EP US); **F17C 2209/234** (2013.01 - EP US); **F17C 2221/031** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/035** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2260/013** (2013.01 - EP US); **F17C 2260/053** (2013.01 - EP US); **F17C 2270/0168** (2013.01 - EP US); **F17C 2270/0181** (2013.01 - EP US); **F17C 2270/0772** (2013.01 - EP US); **Y10T 29/49622** (2015.01 - EP US); **Y10T 29/49893** (2015.01 - EP US)

Cited by

CN106017554A

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010070044 A1 20100624; AU 2009327055 A1 20110630; BR PI0922432 A2 20200811; BR PI0922432 B1 20210202; CA 2759106 A1 20100624; CA 2759106 C 20160809; CN 102257310 A 20111123; CN 102257310 B 20130904; DE 102009020385 A1 20100701; DE 202009017967 U1 20101125; EP 2373920 A1 20111012; EP 2373920 B1 20121128; JP 2012512997 A 20120607; JP 5527746 B2 20140625; KR 101690341 B1 20161227; KR 20110113174 A 20111014; MX 2011006569 A 20111006; RU 2011129823 A 20130127; RU 2493475 C2 20130920; US 2011253727 A1 20111020; US 8978251 B2 20150317

DOCDB simple family (application)

EP 2009067405 W 20091217; AU 2009327055 A 20091217; BR PI0922432 A 20091217; CA 2759106 A 20091217; CN 200980151055 A 20091217; DE 102009020385 A 20090508; DE 202009017967 U 20090508; EP 09799332 A 20091217; JP 2011541439 A 20091217; KR 20117016702 A 20091217; MX 2011006569 A 20091217; RU 2011129823 A 20091217; US 200913140171 A 20091217