

Title (en)
Method for reconditioning propane cylinders

Title (de)
Verfahren zur Wiederkonditionierung von Druckbehälter für Propan

Title (fr)
Procédé de reconditionnement de cylindres à propane comprimé

Publication
EP 1593409 A1 20051109 (EN)

Application
EP 04010733 A 20040506

Priority
EP 04010733 A 20040506

Abstract (en)
The method for reconditioning a used propane gas tank or cylinder comprises the steps of: removing an existing relief valve from the tank; rolling up sheets of aluminum mesh material into mesh inserts and clipping the rolled up sheet with two clips; inserting the aluminum mesh inserts into the propane tank to provide a large wetted surface area inside the tank for increasing the efficiency of vaporization; and replacing the relief valve with a relief valve having a higher CFM rate than is now standard in the lift truck propane gas tank industry. <IMAGE>

IPC 1-7
A62C 3/06; **F17C 13/12**

IPC 8 full level
A62C 3/06 (2006.01); **F17C 1/14** (2006.01); **F17C 13/12** (2006.01)

CPC (source: EP)
F17C 1/14 (2013.01); **F17C 13/123** (2013.01); **F17C 2201/0104** (2013.01); **F17C 2201/032** (2013.01); **F17C 2201/058** (2013.01); **F17C 2203/0607** (2013.01); **F17C 2203/0619** (2013.01); **F17C 2203/0646** (2013.01); **F17C 2205/0165** (2013.01); **F17C 2205/0308** (2013.01); **F17C 2205/0332** (2013.01); **F17C 2205/0394** (2013.01); **F17C 2209/227** (2013.01); **F17C 2209/23** (2013.01); **F17C 2221/035** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2223/035** (2013.01); **F17C 2260/042** (2013.01); **F17C 2260/048** (2013.01); **F17C 2270/0168** (2013.01); **F17C 2270/0184** (2013.01)

Citation (applicant)
• CA 736802 A 19660621 - SZEGO JOSEPH
• US 4149649 A 19790417 - SZEGO ANDREW & US 4673098 A 19870616 - FENTON RONALD L [US], et al

Citation (search report)
• [X] US 2001037549 A1 20011108 - FENTON RONALD L [US]
• [Y] US 5922158 A 19990713 - CULP JOSEPH T [US], et al
• [Y] GB 2028129 A 19800305 - EXPLOSAFE SA
• [A] WO 8504128 A1 19850926 - ATLANTIC CYLINDER TEK INC [US]
• [Y] FR 2662780 A1 19911206 - HUGUES FRANCOIS [FR], et al
• [Y] WO 0071798 A1 20001130 - FENTON RONALD L [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1593409 A1 20051109

DOCDB simple family (application)
EP 04010733 A 20040506