

Title (en)
GAS CYLINDER AND METHOD FOR FILLING THE SAME

Title (de)
GASZYLINDER UND VERFAHREN ZU DESSEN BESCHICKUNG

Title (fr)
BONBONNE DE GAZ ET PROCEDE DE REMPLISSAGE

Publication
EP 1098132 B1 20060322 (DE)

Application
EP 00925780 A 20000427

Priority
• RU 0000157 W 20000427
• RU 99109668 A 19990513

Abstract (en)
[origin: US6378570B1] A gas cartridge comprises a body 1 with a neck 2. A movable valve made as a ball 3 is disposed inside the body 1. A cap 4 is installed in the neck. The end of the cap 4 can be chamfered or expanded. The ball 3 can be manufactured from an elastic, resilient material, from an elastic, resilient material with a metallic powdered filler or be fully metallic in an elastic, resilient envelope. A method of charging the gas cartridge comprises placing a movable valve inside the body of the cartridge, turning the cartridge with its neck downward and charging the cartridge with a liquefied gas under a pressure, reducing the charging pressure with simultaneous closing of the neck by the movable valve, closing the neck with a cap, pressing-in the cap and welding the flange of the cap to the face of the neck of the cartridge.

IPC 8 full level
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Cited by
WO2011077173A1; WO2011077174A1; US9169265B2

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US 6378570 B1 20020430; AT E321236 T1 20060415; AU 4441700 A 20001205; DE 50012446 D1 20060511; EP 1098132 A1 20010509;
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