

Title (en)

SYSTEM AND METHOD FOR CHARGING AND SEALING PRESSURE VESSELS

Title (de)

SYSTEM UND VERFAHREN ZUM FÜLLEN UND VERSIEGELN EINES DRUCKBEHÄLTERS

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT DE CHARGER ET DE SCELLER DES RÉCIPIENTS SOUS PRESSION

Publication

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Application

**EP 12741156 A 20120709**

Priority

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- US 2012045914 W 20120709

Abstract (en)

[origin: WO2013066430A1] A redundant sealing system includes a seal assembly for a vacuum or pressurized gas or liquid container, where the container has a fill port opening and a boss extending from a surface of the container. The boss has a passage aligned with the opening, and the passage has a threaded portion. The seal assembly includes a port plug having a nose portion with a surface shaped to mate with the fill port opening in the container and a set screw portion with external threads for engaging the threaded portion of the passage through the boss to press the nose portion into the fill port opening to form a first seal. The seal assembly further includes a weld plug sized to close the distal end of the passage through the boss, the weld plug is welded to the boss to form a second seal.

IPC 8 full level

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