

Title (en)
METHOD FOR FILLING A CONTAINER WITH GAS

Title (de)
VERFAHREN ZUM BEFÜLLEN EINES BEHÄLTNISSES MIT GAS

Title (fr)
PROCEDE DE REMPLISSAGE D'UN CONTENANT AVEC DU GAZ

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Application
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• AT 6252004 A 20040409

Abstract (en)
[origin: WO2005098307A1] The invention relates to a method for filling a container with gas, the gas being introduced into the container under compression. The aim of the invention is to fill the container with a greater quantity of gas than in prior art while reducing gas pressure peaks during filling. Said aim is achieved by inserting electrically conducting stretching material into the container before filling the same with gas. The invention further relates to a gas container (1), particularly a high-pressure gas bottle, which is used for storing gases at pressures exceeding 50 bar, especially exceeding 200 bar, and is provided with electrically conducting stretching material (11). The inventive gas container (1) makes it possible to reach a higher filling level at a given pressure than in prior art. Containers having a small wall thickness can be used without safety risk because gas pressure peaks are reduced inside the container.

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