

Title (en)
TWO-STEP-PROCESS FOR FILLING GAS CONTAINERS FOR AIRBAG SYSTEMS AND GAS FILLING DEVICE FOR A TWO-STEP-FILLING PROCESS

Title (de)
ZWEISTUFIGER PROZESS ZUM FÜLLEN VON GASBEHÄLTERN FÜR AIRBAG-SYSTEME UND GASFÜLLVORRICHTUNG FÜR EINEN ZWEISTUFIGEN FÜLLPROZESS

Title (fr)
PROCESSUS DE REMPLISSAGE EN DEUX ETAPES DE CONTENANTS DE GAZ POUR SYSTEMES D'AIRBAG, ET DISPOSITIF DE REMPLISSAGE DE GAZ POUR UN PROCESSUS DE REMPLISSAGE EN DEUX ETAPES

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Abstract (en)
[origin: WO2006114137A1] The invention concerns a process respectively a device for filling a high pressure gas container (1), comprising the following steps: Supplying a liquefied or solidified first gas (2) into a gas container (1) while the gas container (1) is being cooled; stopping the cooling of the gas container (1) after the supplying step of the first gas; then introducing a gaseous second gas (3) into the gas container (1) and closing the gas container (1). The invention allows for a efficient, reproducible, reliable and economical filling of high pressure gas containers (1), in particular for airbag systems or for fuel cells, and allows to use conventional devices for introducing gases respectively closing gas containers that are not particularly adapted for low temperature respectively high pressure applications.

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See references of WO 2006114137A1

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