

ABSTRACT:

HYDROGEN GENERATOR AND METHOD OF OPERATING HYDROGEN GENERATORS

- 5 A hydrogen generator working by hydrolysis of the metal borohydride stored in a container (1) is described comprising a reaction chamber (7) which is divided into a first and a second volume (21, 23), the first volume (21) containing a first, upstream catalyst (22) and the second volume (23) containing a second, downstream catalyst (24), the first volume being smaller
- 10 than the second volume; wherein the container (1) comprises a second outlet (12) for gaseous output. The metal borohydride used is provided as a solution which has a pH value between 5.5 and 7, thus allowing a small, lightweight reaction chamber and a fast and complete releasing process of the hydrogen.

Fig.1

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