

Abstract

The invention relates to a reactor (2) for generating hydrogen and at least one other product from at least one reactant, the
5 reactor comprising a tubular reactor vessel (4) which contains a catalyst (6) in the form of a ceramic bed. Improved corrosion resistance against a variety of media and thus an increased service life of the reactor (2) is achieved by forming the reactor vessel (4) from silicon-infiltrated silicon car-
10 bide (SiSiC).

FIG. 1