

Abstract

- 5 The invention relates to a reactor for carrying out an exothermic reaction in the gas phase, which comprises a vessel having an outer wall (13) composed of a metallic material, wherein an inner shell (17) is accommodated in the interior of the reactor (1) and the inner shell (17) has a spacing of at least 50 mm to the inside of the outer wall (13).
- 10 (Figure 1)