

ABSTRACT
REACTION CHAMBER

It is an object to provide a reaction chamber capable of suppressing detachment of a refractory lining.

5 A reaction chamber, the side wall (5) having: a substantially vertical upper waterwall section (5a) in the upper part of the reaction chamber, the tubes (51) in a waterwall being combined with fins (53) to form the waterwall; a lower wall section (5c) lined with a refractory lining (55) in the lower part of the reaction chamber; and an intermediate waterwall section (5b) between the upper waterwall section
10 (5a) and the lower wall section (5c) lined with the refractory lining (55), characterized in that: at least a part of the tubes (51) in the waterwall at the intermediate waterwall section (5b) is bent downwards as well as outwards at an angle to the vertical plane; and an upper end face (21) of the refractory lining (55) is a horizontal surface.

FIG. 3