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(54) Title: REACTION CHAMBER

(54) 发明名称: 反应腔室

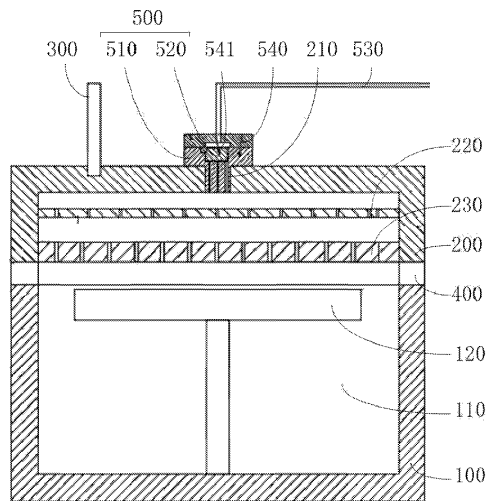


图 1

(57) Abstract: Disclosed is a reaction chamber, comprising a cavity body, wherein the cavity body is connected to an upper cover by means of an insulating part, the cavity body and the upper cover form an inner cavity, and the upper cover is provided with a through hole in communication with the inner cavity; a gas intake mechanism comprises an insulating main body at least partially arranged in the through hole, a gas intake channel is arranged in the insulating main body, a flange component is arranged on one side, facing away from the inner cavity, of the insulating main body, and the flange component is grounded and used for communicating a gas intake

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end of the gas intake channel with a gas output end of a gas intake pipe used for conveying reaction gas; a gas output end of the gas intake channel is in communication with the inner cavity; and moreover, the gas intake channel comprises at least two channel sections which are sequentially in communication in an axial direction of the through hole, and orthographic projections of any two adjacent channel sections on a plane perpendicular to the axial direction of the through hole are mutually staggered. The present solution solves the problem of accidental sparking being likely to occur in an existing reaction chamber.

(57) 摘要: 本发明公开一种反应腔室, 包括: 腔体, 腔体与上盖通过绝缘部相连, 且腔体与上盖形成内腔, 上盖开设有与内腔连通的通孔; 进气机构包括至少部分设置在通孔中的绝缘主体, 绝缘主体中设置有进气通道, 绝缘主体的背离内腔的一侧设置有法兰部件, 法兰部件接地, 且用于将进气通道的进气端与用于输送反应气体的进气管的出气端相连通; 进气通道的出气端与内腔相连通; 并且, 进气通道包括至少两个在通孔的轴向上依次连通的通道段, 且任意相邻两个通道段在垂直于通孔的轴向上的正投影相互错开。本方案解决现有的反应腔室内部容易发生意外打火的问题。