



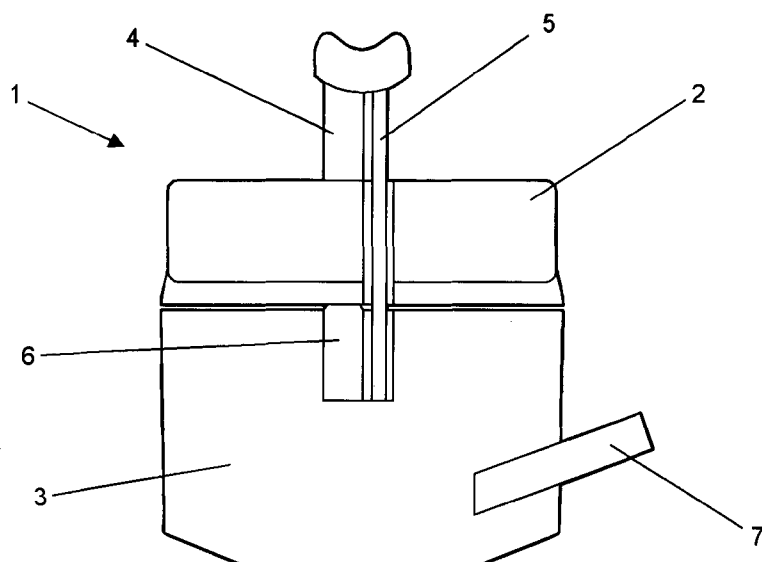
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(54) Title: SUCTION CHAMBER

**FIG. 1**

section of the inlet passages (4) and (5).

(57) **Abstract:** The present invention refers to a suction chamber having two volume parts which utilizes the principle of wave cancellation, by reversing the phase thereof, as a way of attenuating the noise, whose configuration presents a simple, effective, economical and affordable constructive process. It is composed by a body (1) that is subdivided into at least two superposed compartments (2) and (3); at least two inlet passages (4) and (5) that interconnect the external region of the body (1) to the internal compartments (2) and (3); at least one interconnecting passage (6) between the compartments (2 and 3), and one outlet passage (7) that interconnects the internal region of the lower compartment (3) of the body (1) to the compressor cavity (not shown), wherein the inlet passages comprise one passage (4) that extends from the external region of the body (1) up to the interior of the upper compartment (2) and a passage (5) that extends from the external region of the body (1) up to the interior of the lower compartment (3). Furthermore, the interconnecting passage (6) has a bigger cross section than the cross



— *with amended claims (Art. 19(1))*