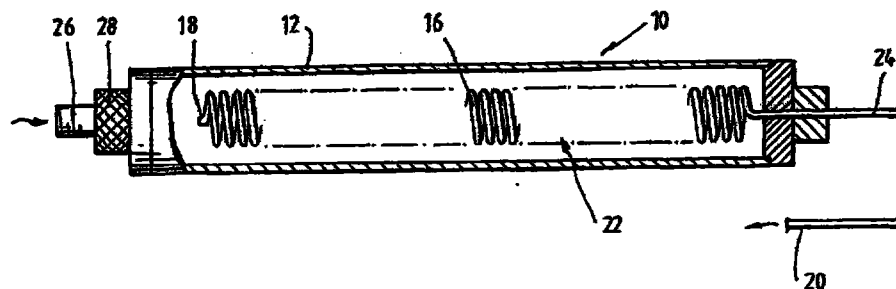




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(54) Title: **APPARATUS FOR PROVIDING A SLOW RELEASE OF A COMPRESSED GAS AND AN INSECT TRAP INCORPORATING SAME**



(57) Abstract

An apparatus (10) for providing a continuous slow release of compressed gas includes a pressure vessel (12) and a restrictor tube (16). The restrictor tube (16) has a first open end (18) located inside the pressure vessel (12) and an opposite second open end (20) located outside the pressure vessel (12). The restrictor tube (16) has a small diameter so as to restrict the flow of gas therethrough and out of the pressure vessel (12). The pressure vessel (12) is connected to a supply of compressed gas via a valve (28). When a volume of gas is transferred to the vessel (12) via the valve (28), the gas enters the first opening (18), travels through the restrictor tube (16) and out of the second opening (20) to provide a slow continuous release of gas. The pressure vessel (12) is incorporated in an insect trap. The trap also includes a light source for emitting light that attracts insects and a solution tray for holding the liquid in which insects can become entrapped and drowned. The liquid may include various chemicals that act as attractants to the insects. A fan circulates air and the gas released by the pressure vessel (12) through the housing of the insect trap. The circulation is in a direction so as to cause a downdraft in the vicinity of an opening through the housing. The downdraft is directed to the solution tray to assist in blowing insects into the tray. The gas released by the vessel (12) acts to asphyxiate the insects.