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(54) Title: AEROSOL DISPENSING DEVICE

(57) Abstract

The dispenser (1) is for a medicament in an aerosol container (2), which is mounted in a body (3), within a sleeve (4) in a manner allowing air flow to pass the container, with the aerosol outlet tube (5) received in a socket (6) in a block (7) upstanding from the floor (8) of the body. The container is of the type which dispenses a measured dose on depression of the tube towards the container's body (9). The tube (5) is a gas tight seal in the socket (6). The block has a polyethylene tube (11) adhered into a side opening (12) of the block, in communication with the socket (6). The tube has a pair (13, 14) of kinks in it. Its end opposite from the block is adhered into a piston (15) at a throughbore (16). The piston is housed in a cylinder (17) formed in the body (3). To the outside of the cylinder is clipped an extension (18) of the body, having a mouthpiece (19) with an inhalation orifice (20). The arrangement provides an enlargement (21) in the bore (22) of the cylinder (17). The enlargement steps down in diameter to that of the (non–circular) mouthpiece, providing an abutment for a spring (23) acting on the piston and urging it in the direction of the block. Normally the tube is kinked (13, 14) by the action of the spring to such extent that it is obturated and acts as a valve (24). Thus when a dose is released into the socket (6), it is contained by the valve (24). On inhalation through the mounthpiece, the piston is drawn towards the mouthpiece against the action of the spring by the reduced pressure in the mouthpiece.

