ABSTRACT

INHALATION DEVICE FOR POWDERED MEDICAMENTS

A powder dispenser 10 includes a powder housing 28 for holding a supply of powdered material to be dispensed, the powder housing including a first conduit 32 extending there through in displaced relation to the powdered material; a metering plate 16 having only a single receptacle area 24 for holding a metered amount of the powdered material above a gas-permeable powder retainer 26 mounted at the metering plate, and being positioned below the powdered material, and the metering plate and the powder housing being rotatable with respect to each other so that the receptacle area is adapted to be in selective communication with the supply of powdered material or the first conduit; a base housing 48 being mounted below the metering plate and including a second conduit 52 in alignment with the first conduit at least concurrently with alignment of the receptacle area and the first conduit; a spring 62 for biasing the base housing and the powder housing toward each other; a mouthpiece 92 for enabling inhalation of the metered amount of powdered material from the receptacle area in the metering plate through the first conduit in the container, the mouthpiece being in fluid communication with the first conduit.

Figure 1