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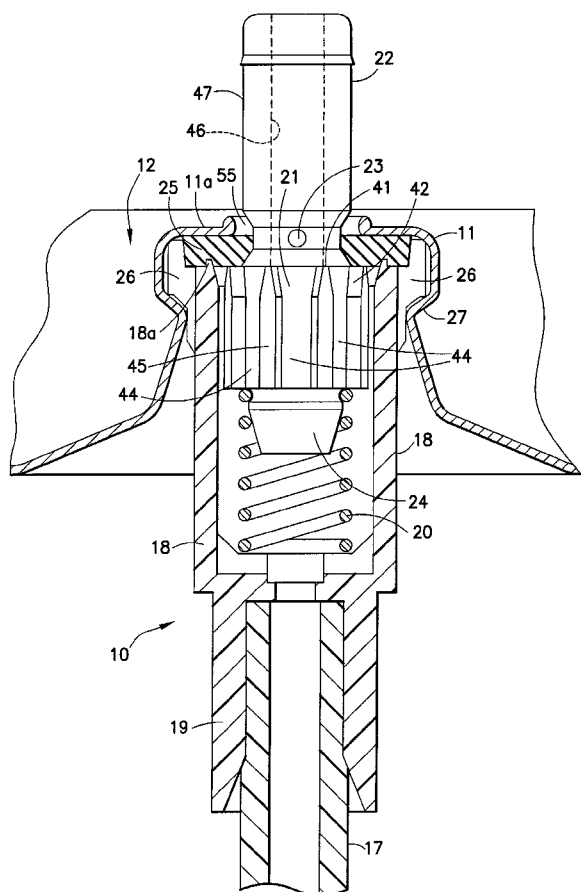
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- (71) Applicant: **PRECISION VALVE CORPORATION** [US/US]; 700 Nepperhan Avenue, Yonkers, NY 10703 (US). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AEROSOL POWDER VALVE



(57) Abstract: An aerosol powder valve (10) has a valve body (21) below a groove (55) with a plurality of vertical splines (40) having minimal area top surfaces (41) abutting a gasket (25) in a closed position (Fig. 2). The groove (55) has a top annular surface (56), an intermediate neck portion (57) with the valve orifice(s) (23), and a lower annular surface (58) extending downwardly and outwardly at a sharp angle to the horizontal from the neck portion to the valve body (21) to join the valve body outer circumference at the level of the tops of the splines. The sharply angled annular lower groove surface (58) is frustoconical or convex, and has no horizontal or concave components for powder accumulation. The gasket seals the groove lower surface in the closed valve position and wipes the groove lower surface outwardly when the valve moves from open to closed so powder on the groove falls into the circumferential spaces between the splines.



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