



(57) Abrégé(suite)/Abstract(continued):

diaphragm. A pressure relief mechanism is incorporated within the upper portion of the diaphragm. A bias spring acts, between a second similar cam surface on the opposite side of the stem and the disk holder, to maintain the first cam surface in contact with the disk holder. The orifice tube has a removable boost end cap for providing a boost action to the diaphragm. One type of boost end cap is snapped in position over the end of the orifice tube and has a plurality of fingers with latch portions that engage an annular groove on the orifice tube. One of the fingers has a hook end that forms a guide for the rear of the cam stem in a sliding contact. A hole in the end cap reduces the boost effect. Another type of boost end cap has a pair of arrow-shaped fingers that engage a pair of retention slots in the end of the orifice tube and a guide finger that engages a guide slot on the tube. The end of the guide finger engages the rear of the cam stem.

