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SUSPENDED DIAPHRAGM PRESSURE SENSOR

ABSTRACT OF THE DISCLOSURE

A pressure sensor (40) includes a diaphragm assembly (54A) with a pair of diaphragms (58A, 60A) joined together along a rim and having spaced apart centers to form a cavity (62A) between them. A pressure input (50A) applies a pressurized fluid to external surfaces of the diaphragms. The diaphragm assembly (54A) is connected to a mounting block along a tab (82A) leaving the remainder of the diaphragm (54A) free from solid mounting. Deflection of the diaphragm assembly (54A) is sensed and is related to applied pressure.

This Sheet Has Been Replaced