

Title (en)  
SENSOR ASSEMBLY WITH FLOATING CONNECTION

Title (de)  
SENSORANORDNUNG MIT SCHWIMMENDER VERBINDER

Title (fr)  
ENSEMBLE CAPTEUR A CONNEXION FLOTTANTE

Publication  
**EP 1099095 A2 20010516 (EN)**

Application  
**EP 99935815 A 19990722**

Priority  
• US 9916542 W 19990722  
• US 9371198 P 19980722

Abstract (en)  
[origin: WO0008417A2] The sensor assembly for sensing a physical property of a target fluid environment is being positionable between a fluid port that is in open communication with the fluid environment and an external control circuit. The sensor assembly includes a sensor housing that is securable to the fluid port and defines a sensing space that is in communication with the fluid environment when the sensor housing is secured to the fluid port. A transducer is positioned within the sensor housing in operable communication with the sensing space, such that when the sensor housing is secured to the fluid port, the transducer is responsive to the fluid environment and can generate an output signal indicative of a measurement of the physical property. The sensor assembly also includes a connector assembly for communicating the output signal to the external control circuit. The connector assembly includes a signal conductor retained within the sensor housing and electrically interconnected with the transducer. The signal conductor, which can also include a signal conditioning circuitry, has a first conducting portion secured to the sensor housing and a second conducting portion. The connector assembly also includes a connector body retained by the sensor housing and movable relative to the sensor housing when the sensor housing is secured to the fluid port. Further, the connector assembly includes at least one elongated connector conductor connectible to the control circuit. The connector conductor has a connector terminal mounted on the connector body, wherein the second portion of the signal conductor is secured to the connector terminal.  
[origin: WO0008417A2] A sensor assembly (10) for sensing a physical parameter of a target fluid environment.

IPC 1-7  
**G01L 7/00**; **G01L 9/00**

IPC 8 full level  
**G01L 7/00** (2006.01); **G01L 9/00** (2006.01)

IPC 8 main group level  
**G01D** (2006.01)

CPC (source: EP)  
**G01D 11/245** (2013.01); **G01L 19/0038** (2013.01); **G01L 19/0046** (2013.01); **G01L 19/0069** (2013.01); **G01L 19/0084** (2013.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0008417 A2 20000217**; **WO 0008417 A3 20000518**; EP 1099095 A2 20010516; EP 1099095 A4 20040728

DOCDB simple family (application)  
**US 9916542 W 19990722**; EP 99935815 A 19990722