

Title (en)
SIGNAL RECEIVER INSENSITIVE TO STATIC PRESSURE VARIATIONS

Publication
EP 0378021 B1 19920729 (FR)

Application
EP 89403518 A 19891215

Priority
FR 8817205 A 19881223

Abstract (en)
[origin: EP0378021A1] The signal receiver is provided with a system which automatically compensates for any variations in the static pressure in the environment in which it is placed. <??>It consists of one or two units each consisting of a sensitive piezoelectric element (1) pressed against one face of a flexible plate (6). The other face of the plate is shielded from the variations in the dynamic pressure to be measured by a material (10) which absorbs the vibrations but is flexible enough to transmit any variation in the ambient static pressure. This material (10), which may be a porous foam or a fibrous substance impregnated with fluid, fills a tubular sleeve (8) provided with apertures (11). <??>Application, for example, to the production of hydrophones which can be used over a large range of depths under water. <IMAGE>

IPC 1-7
G01V 1/20; H04R 1/44

IPC 8 full level
G01V 1/18 (2006.01); **B06B 1/06** (2006.01); **G01S 7/521** (2006.01); **H04R 1/44** (2006.01)

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