

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)

CPC (source: EP US)
B06B 1/0685 (2013.01 - EP US)

Cited by
EP0589396A3

Designated contracting state (EPC)
DE GB IT NL

DOCDB simple family (publication)
EP 0378021 A1 19900718; **EP 0378021 B1 19920729**; CA 2006565 A1 19900623; CN 1019444 B 19921209; CN 1043845 A 19900711; DE 68902311 D1 19920903; DE 68902311 T2 19930218; FR 2641155 A1 19900629; FR 2641155 B1 19940603; JP H02224598 A 19900906; NO 174490 B 19940131; NO 174490 C 19940511; NO 895169 D0 19891221; NO 895169 L 19900625; US 4996675 A 19910226

DOCDB simple family (application)
EP 89403518 A 19891215; CA 2006565 A 19891222; CN 89105837 A 19891220; DE 68902311 T 19891215; FR 8817205 A 19881223; JP 33464289 A 19891222; NO 895169 A 19891221; US 45497389 A 19891222