

Title (en)

DEVICE FOR DETERMINING THE CHANGE IN THE DENSITY OF A MEDIUM

Title (de)

VORRICHTUNG ZUR FESTSTELLUNG DER ÄNDERUNG DER DICHT EINES MEDIUMS

Title (fr)

APPAREIL PERMETTANT DE CONSTATER LA MODIFICATION DE DENSITE D'UN FLUIDE

Publication

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Application

EP 01909659 A 20010119

Priority

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Abstract (en)

[origin: WO0210738A1] The invention relates to a device for determining the change in the density of a solid, liquid or gaseous medium. Said device is able to detect the effects of physical and/or chemical parameters which cause changes in the density and/or the compression constant of the medium. The device comprises an emission device (2) for emitting an emission signal with constant frequency and amplitude, said signal having at least one period. At least one receiving device (4) picks up the response signals which are reflected and/or transmitted from the medium. Said emission device and said receiving device are coupled to the medium (3). The receiving device is coupled to an A/D converter (6) and a sampling device. The emission device and the exit of the A/D converter are connected to a numeric processing device (7) which is used to determine the phase displacement between the emission signal and the receiver signal. The output of said numeric processing device is connected to a display screen (8) or a storage medium.

IPC 1-7

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IPC 8 full level

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