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(54) Title (EN): METHOD AND DEVICE FOR THE ACQUISITION OF SEISMIC SIGNALS AT THE BOTTOM OF A BODY OF WATER

(54) Title (FR): PROCEDE ET DISPOSITIF D'ACQUISITION DE SIGNAUX SISMIQUES AU FOND DE L'EAU

(57) Abstract:

(EN): The invention relates to a device for the acquisition of seismic signals at the bottom of a body of water. The inventive device comprises a cable bearing a series of seismic receiver units which are spaced out along the length of said cable. According to the invention, the aforementioned series consists of alternating (i) receiver units comprising a hydrophone and a vertical geophone, which are sensitive to compression waves, and (ii) receiver units comprising two geophones forming an orthogonal trihedron with the vertical geophone, which are sensitive to shear waves.

(FR): L'invention concerne un dispositif d'acquisition de signaux sismiques au fond de l'eau, comprenant un câble portant une série d'unités de réception sismique espacées le long du câble. Selon l'invention, cette série est formée en alternance d'unités de réception comprenant un hydrophone et un géophone vertical, sensibles aux ondes de compression, et d'unités de réception comprenant deux géophones formant un trièdre orthogonal avec le géophone vertical, sensibles aux ondes de cisaillement.

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