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(54) Title: ANCHOR WITH AN OPTICAL MEASURING DEVICE

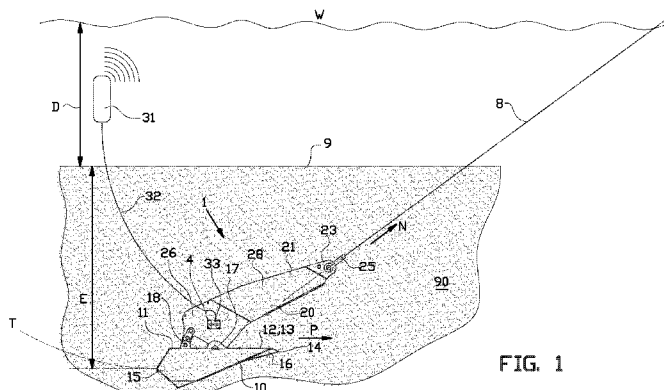


FIG. 1

(57) Abstract: Anchor with a measuring device for measuring the displacement of the soil with respect to the anchor, wherein the measuring device is provided with a light source and an optical sensor, wherein the light source when operational emits a light beam illuminating a part of the soil opposite the measuring device, wherein the soil reflects at least a part of the light of the light beam in the direction of the measuring device, wherein the optical sensor converts the incident light into an electric signal, wherein the measuring device is connected to a calculation and data processing unit that converts the signals into a reproduction, wherein the calculation and data processing unit is provided with an electric circuit for recognising patterns in each of the stored reproductions, comparing the recognised patterns of two consecutive reproductions and on the basis of the comparison determining the displacement of the pattern between the two consecutive moments in time.