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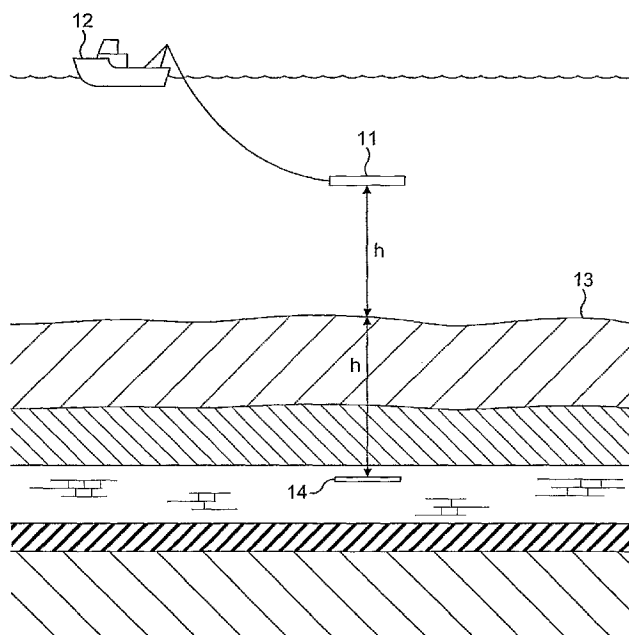
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(57) Abstract: A method of determining the nature of subterranean strata. The transmitter antenna (11) is towed by vessel (12) at a distance h above the sea floor (13). The antenna (11) in its wave field whose strength is proportional to the current delivered to the antenna (11) and this is monitored. The input voltage to the antenna is also measured and changes in antenna impedance are calculated. Changes in antenna impedance are used together with seismic information to determine the nature of the subsea strata.

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