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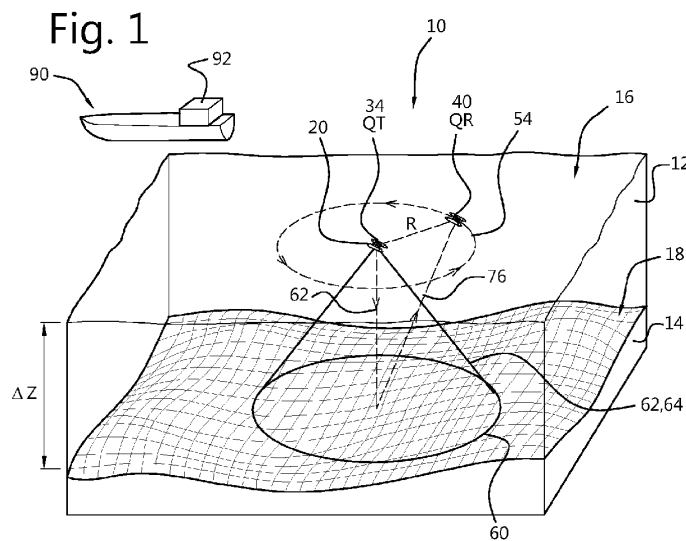
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(54) Title: METHOD AND SYSTEM FOR MAPPING A REGION



(57) Abstract: A method and system for mapping a target region (60) of space with signal scatterers. The method involves moving a signal transmitter (26) and/or signal receiver (46) along a respective trajectory (34, 54) relative to the target region, and meanwhile transmitting a probing signal (62) towards the target region, this probing signal including a pseudo-random-noise sequence modulated onto a carrier signal, receiving a response signal (76) composed of components resulting from scattering of the probing signal (62) by respective portions of the target region, and repeatedly determining positions (QT, QR) of the transmitter and/or receiver. The method further involves transforming the probing signal (62) into multiple test signals, each test signal being associated with a propagation path via a portion of the target region and correlating each of the test signals with the response signal (76) in the time domain, to generate a map of correlation strength values associated with the portions of the target region. Unlocking insights from Geo-Data, the present invention

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