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(54) **Title:** APPARATUS AND METHOD FOR MEASURING AN EMBEDDED OBJECT

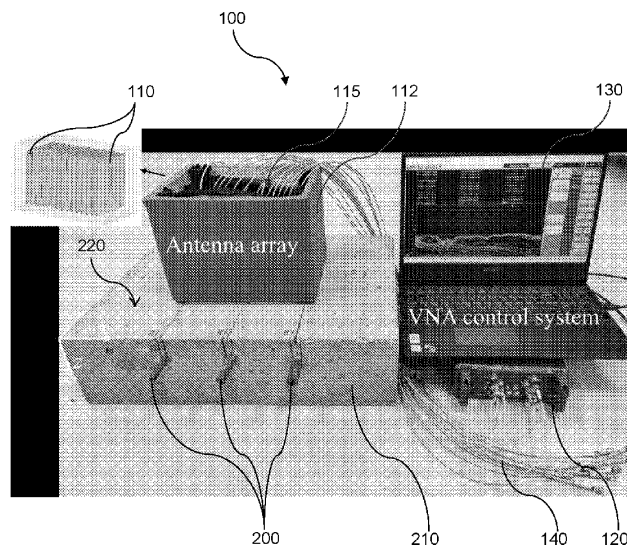


Figure 1

(57) **Abstract:** The present disclosure generally relates to an apparatus (100) and method (300) for measuring an object (200) embedded in a structure (210). The apparatus (100) comprises: a plurality of antennas (110) for arranging (310) linearly on the structure (210); a measurement instrument (120); and a control system (130). The measurement instrument (120) is configured for: transmitting (330), from each antenna (110) sequentially by the linear arrangement (115) of the antennas (110), radio signals into the structure (210); and measuring (340), from all the antennas (110), the radio signals transmitted from each respective antenna (110) and reflected from the embedded object (200). The control system (130) is configured for: controlling the measurement instrument (120) to configure (320) the antennas (110) to transmit and receive the radio signals for said measurement; reconstructing (350) an image (250) of the embedded object (200) based on the measured radio signals from all the antennas (110); and measuring (360) a size of the embedded object (200)

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from the reconstructed image (250).