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(54) Title: ANTENNA MODULE AND A METHOD FOR FORMING THE ANTENNA MODULE

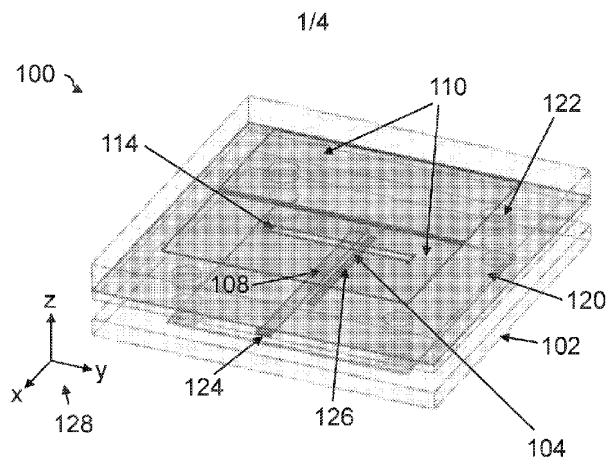


Figure 1A

(57) Abstract: An antenna module is described in an embodiment. The antenna module comprises: a substrate, a first sensor formed on the substrate, and an antenna element provided on the first sensor. The antenna element is adapted to emit electromagnetic waves in a direction away from the substrate to form a main radiation field and in a direction toward the substrate to form a back-radiation field. The first sensor is formed between the substrate and the antenna element and is adapted to measure the back-radiation field emitted by the antenna element. A method for forming the antenna module is also described.

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