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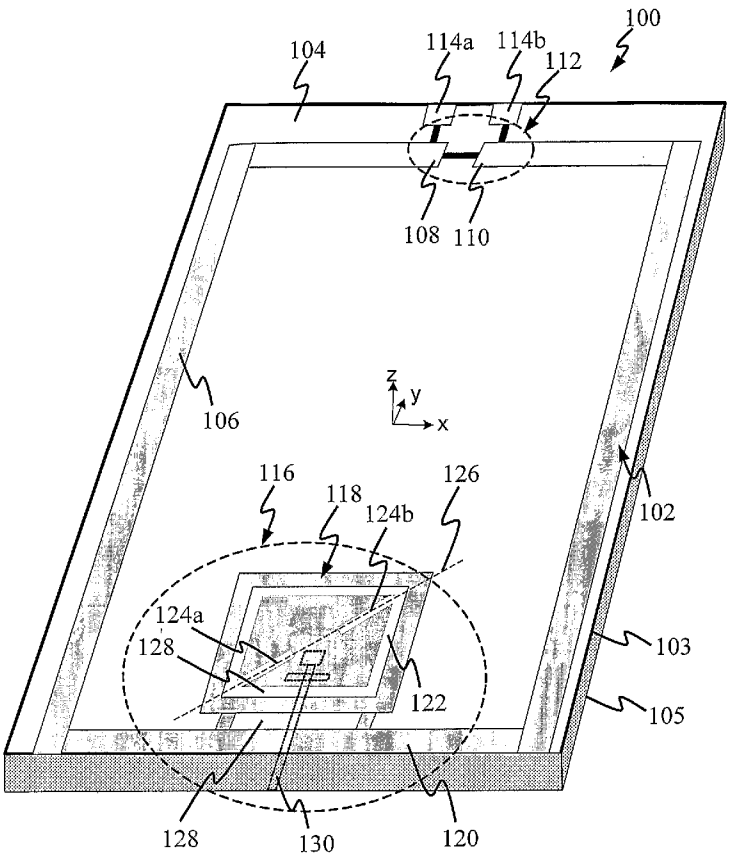
(54) **Title:** ANTENNA FOR NEAR FIELD AND FAR FIELD RADIO FREQUENCY IDENTIFICATION



(57) **Abstract:** In accordance with an embodiment of the invention, there is disclosed an antenna for radio frequency identification. The antenna comprises a first radiating element for operating a first mode of radio frequency identification using a first current. The antenna further comprises a second radiating element for operating a second mode of radio frequency identification using a second current. Specifically, at least one of a portion of the first radiating element forms a portion of the second radiating element and a portion of the second radiating element forms a portion of the first radiating element. When the first radiating element is excited by the first current, the first radiating element generates a first field for providing the first mode of radio frequency identification, and when the second radiating element is excited by the second current, the second radiating element generates a second field for providing the second mode of radio frequency identification.

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