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(54) **Title:** METHOD FOR MAPPING NFC FIELD STRENGTH AND LOCATION ON MOBILE DEVICES

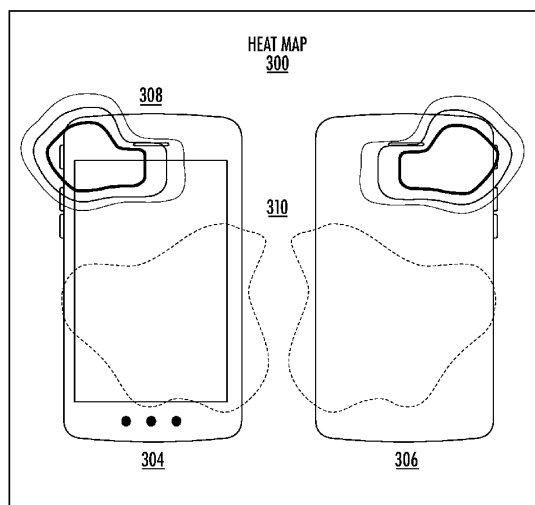


FIG. 3

(57) **Abstract:** Various embodiments are directed to a method and system for mapping or visualizing the magnetic fields and their associated field strengths of an object, such as a mobile computing device. An example source of the magnetic fields may be a near-field communication (NFC) reader configured in the object. A computer vision system or device may track a visual marker arranged near or on a magnetic field strength detector in order to associate, match, or map the magnetic field strength measurement readings of the detector at different positions or locations on the object. The computer vision system may generate and display a heat map of the object based on at least the magnetic field strength measurements and their relative positions.

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