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(54) **Title:** PROXIMITY DETECTION

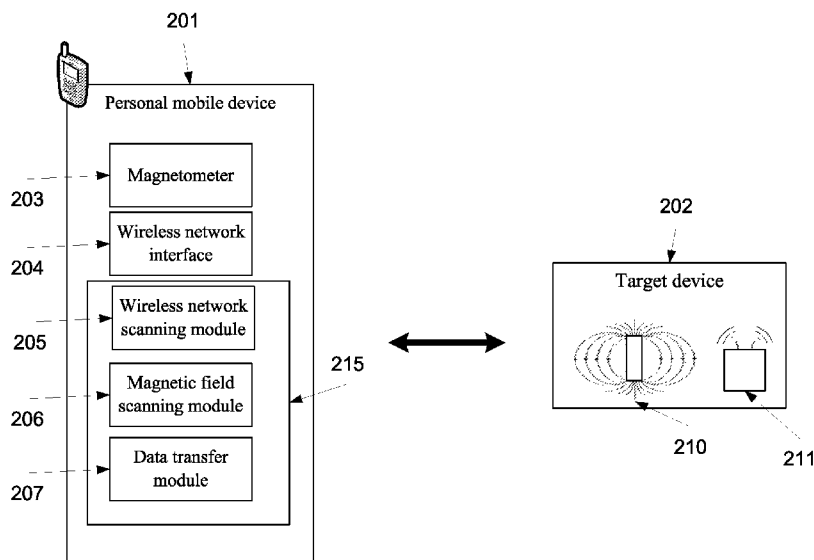


FIG. 1

(57) **Abstract:** A method of detecting a proximity to a target device. The method comprises scanning a wireless network frequency band in a personal mobile device to discover at least one wireless network signal, triggering, in response to a discovery of the at least one wireless network signal, a magnetic field scan of a magnetometer operated by the personal mobile device, detecting, in the personal mobile device, according to the magnetic field scan, a presence or an absence of a magnetic field signature associated with a predefined proximity to a target device.



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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*