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(72) Inventor; and

(71) Applicant: NAGPAL, Sumit Kumar [IN/US]; 245 Main
Street, Cambridge, Massachusetts 02142 (US).

(74) Agent: TSIBULEVSKIY, Roman; Dentons US LLP, P.O.
Box 1302, Chicago, Illinois 60604 (US).

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(54) Title: TECHNOLOGIES FOR TRACKING OBJECTS WITHIN DEFINED AREAS

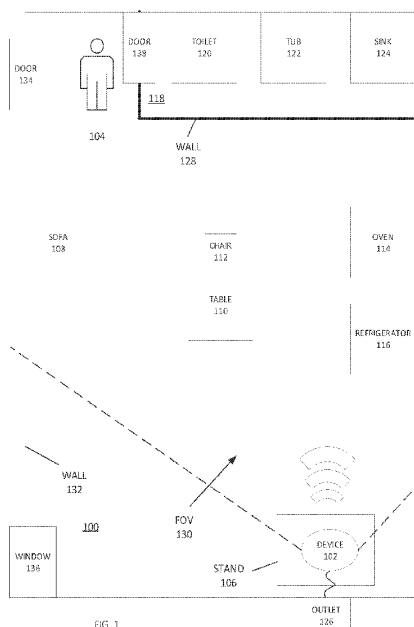


FIG. 1

(57) Abstract: This disclosure enables various technologies for tracking various objects (e.g., mammals, animals, humans, pets) within various defined areas (e.g., rooms, apartments, residences, vehicles, tents) to determine whether those objects satisfy or do not satisfy various criteria, signatures, or thresholds, which may relate to health, safety, or security of those objects within those defined areas. These technologies may be enabled via various radars (e.g., time-of-flight radars, Doppler radars) positioned within those defined areas to track those objects therein. For example, some of such radars may operate in a Ku-band inclusively between about 12 GHz and about 18GHz, a K-band inclusively between about 18 GHz and about 27 GHz, or a Ka-band inclusively between about 26.5 GHz and about 40 GHz, each of which has been unexpectedly found to be technologically beneficial for tracking those objects within those defined areas.

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