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(54) Title: SYSTEMS AND METHODS FOR DROP DETECTION OF PORTABLE DEVICES

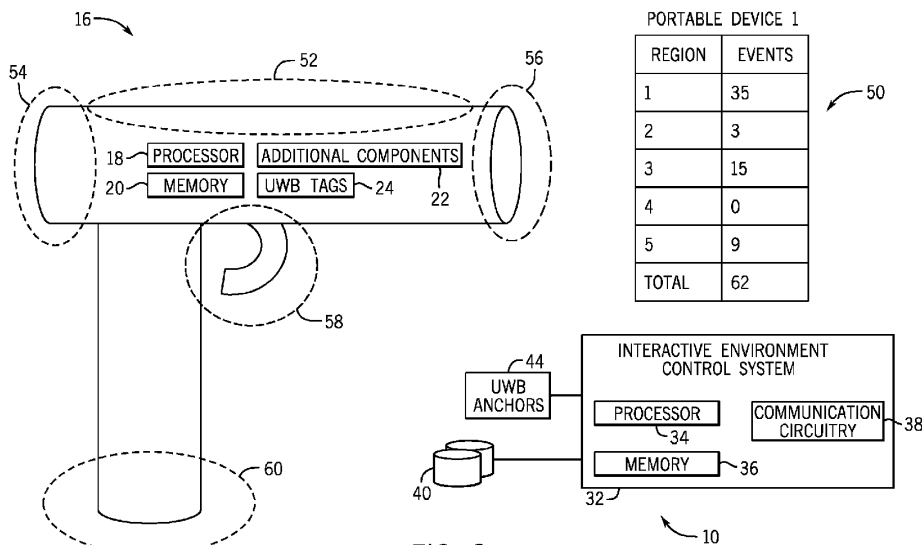


FIG. 2

(57) Abstract: An impact detection system 10 includes processing circuitry 32 with one or more processors 34. The impact detection system 10 also includes memory 36 storing instructions, that when executed by the processing circuitry 32, cause the processing circuitry 32 to process positioning data to determine a position of a portable device 16 within an interactive environment 14, compare the position of the portable device 16 to a location of a boundary within the interactive environment 14, identify an occurrence of an impact event based on the position of the portable device 16 and the location of the boundary, and update an impact profile 50, 70, 94 for the portable device 16 based on the occurrence of the impact event.

[Continued on next page]

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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