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(54) Title of the Invention: Ultrasonic locationing system using a doubly symmetrical transmission sequence Abstract Title: Ultrasonic locationing system using a doubly symmetrical transmission sequence

(57) A method and apparatus for locating a target in a venue is described. A backend controller activates transmitters in a venue to send burst signals using a double symmetry configuration formed of a plurality of separate transmitter groups. The backend controller activates the transmitters into a second, different configuration for bursting. The resulting location signal information from each configuration is obtained by the backend controller, which then more accurately determines the location of the target in the venue.

