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(54) Title: ROULETTE WHEEL READING APPARATUS

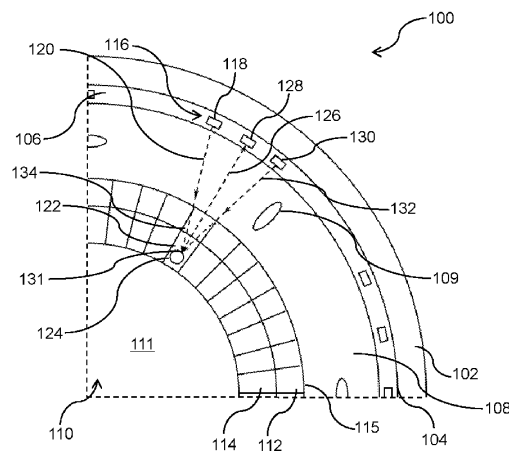


FIG. 1

(57) Abstract: A roulette wheel reading apparatus is provided for triangulating a roulette ball position in a pocket of a roulette wheel. The apparatus comprises: a triangulation sensor, a roulette wheel position sensor, and a processor; wherein the triangulation sensor comprises: a first signal emitter arranged to emit a first signal toward a location within a pocket of a roulette wheel comprising a plurality of roulette wheel pockets; and a second signal emitter arranged to emit a second signal toward the location; wherein the triangulation sensor further comprises: a signal receiver positioned to receive a first reflection of the first signal at a first receipt time and arranged to output the first receipt time, the signal receiver being further positioned to receive a second reflection of the second signal at a second receipt time and arranged to output the second receipt time; wherein the first reflection and the second reflection originate from said roulette ball; the roulette wheel position sensor being arranged to detect and output a position of one or more of the plurality of roulette

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wheel pockets relative to the location; the processor being arranged to: receive the first receipt time, the second receipt time and the position; calculate a time difference between the first receipt time and the second receipt time; identify that the time difference is within a predetermined time difference threshold; identify, using the position, the pocket of the roulette wheel; and output the pocket of the roulette wheel as a roulette result. The apparatus of the present invention aims to accurately and reliably identify cessation of a roulette ball in a roulette wheel pocket for the purpose of informing the reporting of a winning roulette result.