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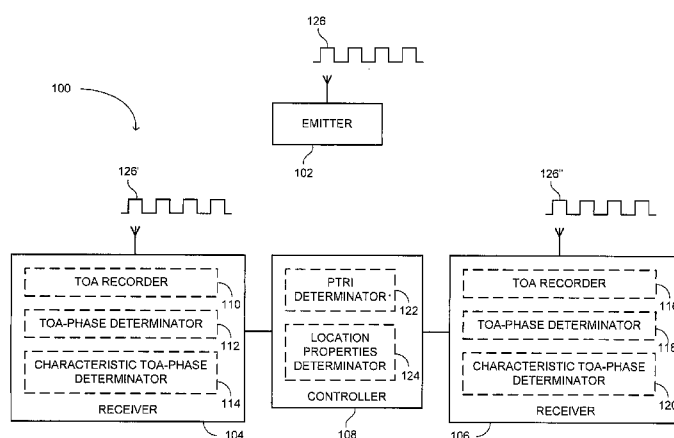


FIG. 2

(57) Abstract: Method for determining location properties of an emitter, emitting repetitive pulse trains received by at least two receivers, the method comprising the procedures of receiving the repetitive pulse trains, by each of the at least two receivers and recording the Time Of Arrival (TOA) of each pulse in the received repetitive pulse trains, determining the Pulse Train Repetition Interval (PTRI) of the emitter, for each receiver, determining the TOA-phase of each received pulse train according to the PTRI and the TOA respective of each pulse train, for each receiver, determining a respective characteristic TOA phase curve of the repetitive pulse trains received thereby, according to the TOA phase respective of the received repetitive pulse trains and for each pair of receivers, determining the location properties of the emitter according to the characteristic TOA-phase curves respective of pulse trains received by each receiver.