

Title (en)
A METHOD AND A SYSTEM FOR RANGING A SCENE

Title (de)
VERFAHREN UND SYSTEM ZUR SZENE-ENTFERNUNGSBESTIMMUNG

Title (fr)
PROCEDE ET SYSTEME DE TELEMETRIE POUR SCENE

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Application
EP 04722937 A 20040324

Priority
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Abstract (en)
[origin: WO2004086088A1] There is disclosed a method for multi-pixel ranging of a scene, comprising the steps of providing a single detector/receiver associated with a time-delay arrangement; producing a delayed time-arrival distribution of pulse echoes of at least part of a remote scene of a predetermined depth spanning between a closest point and a furthest point from the detector/receiver; receiving the distribution as produced on the ranging plane and conveying it, echo pulse by echo pulse through a plurality of time-ordered echo pulse conveyor to a single detector, while introducing an additional time delay between the conveyor, which is equal to, or greater than, the time delay between the closest and furthest points of the scene, whereby the echo pulses arrive at the single detector/receiver in a sequential order, and using an electronic logic to reconstruct the time-arrival distribution from the time-delayed echo pulses received by the detector/receiver. A system for ranging a scene is also provided.

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