

ABSTRACT**Mapping method implementing a passive radar**

The invention relates to a mapping method implementing a radar used in passive mode. It is possible to use such a radar for locating an object likely to reflect an electromagnetic wave transmitted by a transmitter the position of which is known. Movable objects (3) capable of reflecting rays received from transmitters of opportunity (2) are used. The method comprises the following operations:

- determining, in a distance Doppler matrix of the radar (1), points relative to the deviations between the rays received directly from the transmitters (2) and the rays reflected by the movable object (3),
- 10 • transferring to a map to be established a probable zone of location of singularities of the electromagnetic field transmitted or reflected by the ground,
- crossing several probable zones during the movement of the movable object (3) in order to obtain the location of the singularities.

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Figure 2.