

METHOD FOR LOCATING A TARGET AND MULTISTATIC RADAR SYSTEM FOR IMPLEMENTING SUCH A METHOD

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ABSTRACT

Method for locating a target, characterized in that it comprises
10 the following steps:

a) receiving, by means of $N \geq 1$ receivers (RR1, RR2, RR3),
opportunity radioelectric signals (SRE) transmitted by $M \geq 1$ transmitters (ER)
and reflected by said target (C), with $N \cdot M \geq 3$, said or at least one said transmitter
being situated out of the sight of said or of at least one said receiver;

15 b) receiving, by means of a data transmission link (LD), one or
more reference signals, representative of the radioelectric signals transmitted
by said or each said transmitter situated out of the sight of said or of at least
one said receiver; and

c) determining the position of said target on the basis of said
20 radioelectric signals and of said reference signal or of said reference signals.

Application of such a method to the primary monitoring of air
traffic.

Multistatic radar system for the implementation of such a
method.

25 System for monitoring air traffic comprising, in the guise of
primary radar, such a multistatic radar system.

Figure 6