

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

5

## 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),  
opportunistic 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