

ABSTRACT**Method for the transmission of position information by a mobile device**

The method for the transmission of position information by a mobile device consisting in acquiring, on board the mobile device, position information of the mobile device (1) from GNSS navigation signals transmitted by a satellite constellation (5a, 5b, 5c) and in transmitting the position information to a position server (3) is characterized in that it consists:

- in periodically measuring pseudo-distances (d_1 , d_2 , d_3) of separation of the mobile device (1) with respect to the satellites (5a, 5b, 5c) of the constellation,
- in determining a first item of absolute position information of the mobile device (1) at the initial time t_0 ,
- for each measurement carried out at the successive times t_i , in determining successive items of information on the position variation of the said mobile device (1) between two consecutive measurement times t_i and $t_i + T_v$,
- in encoding and transmitting the absolute position information and the successive items of position variation information to the position server (3).

Application to the field of road, motorway and urban electronic payment systems and to any other geolocalized payment system.

Figure 3

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