

Title (en)  
METHOD OF DETERMINING A TRAJECTORY MAPPING BY PASSIVE PATHWAY OF A MOBILE SOURCE BY A METHOD OF INVERSE TRIANGULATION

Title (de)  
VERFAHREN ZUR BESTIMMUNG EINER TRAJEKTORIEZUORDNUNG DURCH PASSIVEN WEG EINER MOBILEN QUELLE DURCH EIN INVERSES TRIANGULATIONSVERFAHREN

Title (fr)  
PROCEDE DE DETERMINATION D'UNE TRAJECTOGRAPHIE PAR VOIE PASSIVE D'UNE SOURCE MOBILE PAR UNE METHODE DE TRIANGULATION INVERSE

Publication  
**EP 3227716 A1 20171011 (FR)**

Application  
**EP 15804814 A 20151204**

Priority

- FR 1461970 A 20141205
- EP 2015078715 W 20151204

Abstract (en)  
[origin: WO2016087661A1] The method of estimating the trajectory of a mobile source (SM) in a plane in space by passive pathway, the mobile source (SM) generating at least one first signal (S1) and one second signal (S2) propagating respectively at two different speeds, comprises: an acquisition of the signals (S1, S2) by at least one antenna (ANT1, ANT2); an estimation of angles (DET1) of at least four angles of arrival ( $\theta_1$ ,  $\theta_2$ ,  $\theta_3$ ,  $\theta_4$ ) of which at least one angle ( $\theta_1$ ) corresponds to a measurement of the angle of arrival of the first signal (S1), and of which at least one angle ( $\theta_2$ ) corresponds to a measurement of the angle of arrival of the second signal (S2) by at least one antenna (ANT1, ANT2); an estimation of a position and of a speed vector (VSM) of the mobile source (SM) at a given instant (ti).

IPC 8 full level  
**G01S 11/16** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2016087661A1

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