

Title (en)

SINGLE-CHIP RADAR FOR MOTOR VEHICLE APPLICATIONS

Title (de)

SINGLE-CHIP RADAR FÜR KRAFTFAHRZEUG-ANWENDUNGEN

Title (fr)

RADAR MONOPUCE POUR DES APPLICATIONS DANS DES VEHICULES A MOTEUR

Publication

**EP 1825292 A1 20070829 (DE)**

Application

**EP 05815809 A 20051115**

Priority

- EP 2005055980 W 20051115
- DE 102004059332 A 20041209

Abstract (en)

[origin: WO2006061310A1] The invention relates to a radar transceiver comprising: at least one oscillator (110) that can be detuned using a control voltage; at least one mixer (120), and; at least one antenna (140) for transmitting and receiving extra-high frequency signals, the mixer (120) mixing the received signal with the signal of the oscillator (110) and outputting a demodulated signal. The invention is characterized in that the at least one oscillator (110), the at least one mixer (120) and the at least one antenna (140) are placed on a single chip (100) while being situated side-by-side in a plane.

IPC 8 full level

**G01S 7/03** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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