

Title (en)
METHOD FOR CALIBRATING A SENSOR SYSTEM

Title (de)
VERFAHREN ZUR KALIBRIERUNG EINES SENSORSYSTEMS

Title (fr)
PROCEDE POUR L'ETALONNAGE D'UN SYSTEME DE CAPTEURS

Publication
EP 1969390 A1 20080917 (DE)

Application
EP 06819735 A 20061124

Priority
• EP 2006068865 W 20061124
• DE 102005062539 A 20051227

Abstract (en)
[origin: DE102005062539A1] The method involves transmitting a transmit signal with a transmitter of a distance sensor at a time point. The transmit signal is converted into a receive signal with a receiver of the sensor, and another time point at which the receive signal exceeds a preset threshold value is determined. The run time of the signal from the transmitter to the receiver is determined from a difference between the time points. A frequency distribution of the run time is determined to produce a sensor distance value, which correlates with the sensor runtime between the transmitter and the receiver.

IPC 8 full level
G01S 7/52 (2006.01); **G01S 15/931** (2020.01)

CPC (source: EP US)
G01S 7/52004 (2013.01 - EP US); **G01S 7/52006** (2013.01 - EP US); **G01S 15/878** (2013.01 - EP US); **G01S 15/931** (2013.01 - EP US)

Citation (search report)
See references of WO 2007074003A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
DE 102005062539 A1 20070705; CN 101351723 A 20090121; EP 1969390 A1 20080917; US 2009128398 A1 20090521;
WO 2007074003 A1 20070705

DOCDB simple family (application)
DE 102005062539 A 20051227; CN 200680049742 A 20061124; EP 06819735 A 20061124; EP 2006068865 W 20061124;
US 8725206 A 20061124