

Title (en)
SENSOR

Title (de)
SENSOR

Title (fr)
DETECTEUR

Publication
EP 1144971 A1 20011017 (DE)

Application
EP 99963519 A 19991214

Priority
• DE 19858827 A 19981219
• EP 9909882 W 19991214

Abstract (en)
[origin: DE19858827A1] The invention relates to a sensor having a signal source for emitting a physical signal and a signal detector mounted at a distance from said signal source for receiving the physical signals in the location of the signal detector. The physical signal received is evaluated with the aid of an evaluation unit in which the physical signal received is evaluated on the basis of information stored pertaining the signal source. The relative distance between the signal source and the signal detector is determined on the basis of said evaluation. Relative distance includes the geometric distance between the signal source and the signal detector and the transmission characteristics of the area between the signal source and the signal detector. When one of said parameters is maintained constant, conclusions regarding other parameters may be drawn and indications on given physical variables may be given. Said sensor may be used as an acceleration, pressure, power, gas density, transport speed or flow rate sensor.

IPC 1-7
G01L 1/24; **G01L 11/02**; **G01B 11/02**; **G01L 9/00**

IPC 8 full level
G01P 5/10 (2006.01); **G01B 7/14** (2006.01); **G01B 11/02** (2006.01); **G01D 5/12** (2006.01); **G01L 1/14** (2006.01); **G01L 1/24** (2006.01); **G01L 9/00** (2006.01); **G01L 9/12** (2006.01); **G01L 11/02** (2006.01); **G01P 15/125** (2006.01); **H01L 29/84** (2006.01)

CPC (source: EP)
G01F 1/684 (2013.01); **G01L 1/142** (2013.01); **G01P 5/10** (2013.01); **G01P 15/0802** (2013.01); **G01P 1/003** (2013.01)

Citation (search report)
See references of WO 0037910A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
DE 19858827 A1 20000629; EP 1144971 A1 20011017; JP 2002533669 A 20021008; WO 0037910 A1 20000629

DOCDB simple family (application)
DE 19858827 A 19981219; EP 9909882 W 19991214; EP 99963519 A 19991214; JP 2000589920 A 19991214