

Title (en)
SENSOR FOR MEASURING A DISTANCE FROM AN OBJECT

Title (de)
SENSOR ZUM MESSEN EINES ABSTANDS ZU EINEM OBJEKT

Title (fr)
DETECTEUR POUR MESURER UNE DISTANCE PAR RAPPORT A UN OBJET

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EP 1064563 A1 20010103 (DE)

Application
EP 99947460 A 19991005

Priority
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• EP 9907371 W 19991005

Abstract (en)
[origin: DE19902076A1] The sensor has an oscillator (4) for generating a carrier signal, a first modulation switch (17) for modulating pulses onto the carrier, a transmission antenna (7) for transmitting the pulses towards the object (2), a receiving antenna (8) for reflected pulses, a power divider (16) between the oscillator and modulation switch, a second modulation switch (19) for modulating pulses onto the carrier from the power divider, a variable delay arrangement (11,12) for a second pulse signal, a comparison device (14) for the first signal transition time and second signal delay time and a device for determining distance from the delay and the pulse signal propagation speed. A third modulation switch (21) arranged between the power divider and oscillator is driven by a trigger signal and a delayed trigger signal.

IPC 1-7
G01S 7/03; G01S 13/18

IPC 8 full level
G01S 7/03 (2006.01); **G01S 13/18** (2006.01); **G01S 7/282** (2006.01); **G01S 7/285** (2006.01); **G01S 13/10** (2006.01); **G01S 13/93** (2006.01)

CPC (source: EP)
G01S 7/03 (2013.01); **G01S 13/18** (2013.01); **G01S 7/282** (2013.01); **G01S 7/285** (2013.01); **G01S 13/103** (2013.01); **G01S 2013/9324** (2020.01); **G01S 2013/9325** (2013.01)

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