

Title (en)
MEASUREMENT SYSTEM FOR SENSING THE POSITION OF A PISTON

Title (de)
MESSSYSTEM ZUR ERFASSUNG DER POSITION EINES KOLBENS

Title (fr)
SYSTEME DE MESURE PERMETTANT DE DETECTER LA POSITION D'UN PISTON

Publication
EP 0855014 A2 19980729 (DE)

Application
EP 96945358 A 19961011

Priority
• DE 9601973 W 19961011
• DE 19539551 A 19951012

Abstract (en)
[origin: DE19539551A1] In a measurement system for sensing the position of a piston (6) capable of moving within a cylinder (1) to which a pressure may be applied, a position transmitter (11), for example a magnet, is linked to the piston (6) inside the cylinder (1), and a sensor (12) that may be driven outside the cylinder (1) by a drive (13, 14) along the path of displacement of the position transmitter (11) senses a signal intensity depending on its distance from the position transmitter (11). The sensor (12) is driven by a regulator (17) in such a way that it presents a maximum signal intensity. By detecting the position of the sensor (12), the position of the position transmitter (11) may be deducted.

IPC 1-7
G01B 7/00; **F15B 15/28**; **G01D 5/42**

IPC 8 full level
G01B 7/00 (2006.01); **F15B 15/28** (2006.01); **G01B 17/00** (2006.01); **G01D 5/06** (2006.01); **G01D 5/14** (2006.01); **G01D 5/42** (2006.01); **G01D 5/48** (2006.01)

CPC (source: EP)
F15B 15/28 (2013.01); **G01D 5/06** (2013.01); **G01D 5/145** (2013.01); **G01D 5/425** (2013.01); **G01D 5/48** (2013.01); **F15B 2201/31** (2013.01); **F15B 2201/515** (2013.01)

Citation (search report)
See references of WO 9714012A2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 19539551 A1 19970417; **DE 19539551 C2 19970717**; EP 0855014 A2 19980729; JP 2000502178 A 20000222; WO 9714012 A2 19970417; WO 9714012 A3 19970515

DOCDB simple family (application)
DE 19539551 A 19951012; DE 9601973 W 19961011; EP 96945358 A 19961011; JP 51463597 A 19961011