

Title (en)

Displacement transducer for a cylinder-piston unit

Title (de)

Wegmesssystem für Zylinderkolbenaggregate

Title (fr)

Capteur de déplacement pour un assemblage de cylindre-piston

Publication

**EP 0866306 B1 20040428 (DE)**

Application

**EP 98102493 A 19980213**

Priority

DE 29704877 U 19970319

Abstract (en)

[origin: EP0866306A1] The displacement measuring system (6) has a friction wheel (7), rolling at the piston rod (3), and its rotation is determined by a measurement value transmitter (12). This rotation is further used for measuring the displacement or the position of the piston rod. The friction wheel is arranged in a chamber, which is sealed against the atmosphere by seals lying at the piston rod. The chamber at least partly is arranged at one end of a plug-in or a screw-in housing. The housing has a pressure unit, for pressing the friction wheel at the piston rod. The friction wheel is located at a friction wheel bearing (13), which is guided radially to the piston rod movable in the housing, and is acted on by a spring element (17).

IPC 1-7

**G01B 7/02**; **F15B 15/28**

IPC 8 full level

**F15B 15/28** (2006.01); **G01B 7/02** (2006.01)

CPC (source: EP)

**F15B 15/28** (2013.01)

Cited by

DE19823529A1; EP1398292A1; DE102010005336A1; US10724210B2; EP3301230A1

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI SE

DOCDB simple family (publication)

**EP 0866306 A1 19980923**; **EP 0866306 B1 20040428**; AT E265669 T1 20040515; DE 29704877 U1 19970430; DE 59811255 D1 20040603; ES 2218722 T3 20041116

DOCDB simple family (application)

**EP 98102493 A 19980213**; AT 98102493 T 19980213; DE 29704877 U 19970319; DE 59811255 T 19980213; ES 98102493 T 19980213