

Title (en)

DEVICE FOR MEASURING HYDRAULIC DISCHARGE VOLUMES AND LEAKAGES IN A TEST PIECE

Title (de)

VORRICHTUNG ZUR MESSUNG VON HYDRAULISCHEN DURCHFLUSSMENGEN UND LECKAGEN AN EINEM PRÜFLING

Title (fr)

DISPOSITIF POUR MESURER DES DEBITS ET DES FUTES HYDRAULIQUES SUR UNE EPROUVETTE

Publication

EP 0922202 A1 19990616 (DE)

Application

EP 97949961 A 19971127

Priority

- DE 9702772 W 19971127
- DE 19709422 A 19970307

Abstract (en)

[origin: DE19709422A1] The invention relates to a device for measuring hydraulic discharge and leakage in a test piece, comprising a measuring section configured as an inflow pipe approximately perpendicular to the test piece and a capacitive sensor located on the measuring section. Said sensor can be impinged upon by both at least one measuring medium and at least one other medium (pressure medium) designed to generate a pressure acting on the measuring medium. The invention aims to improve said device in such a way that it is possible to carry out precise measurements of discharge volumes and leakages using simple technology. To this end, the invention provides for the test piece to be coupled directly to the measuring section.

IPC 1-7

G01F 1/56; **G01F 23/26**; **G01M 3/16**

IPC 8 full level

G01F 1/56 (2006.01); **F02M 65/00** (2006.01); **G01F 1/00** (2006.01); **G01F 23/26** (2006.01); **G01F 25/00** (2006.01); **G01M 3/26** (2006.01)

CPC (source: EP KR US)

F02M 65/001 (2013.01 - EP US); **G01F 1/007** (2013.01 - EP US); **G01F 23/26** (2013.01 - KR); **G01F 23/268** (2013.01 - EP US); **G01F 25/0092** (2013.01 - EP US); **G01M 3/26** (2013.01 - EP US)

Citation (search report)

See references of WO 9840700A1

Cited by

CN106662063A

Designated contracting state (EPC)

DE ES GB

DOCDB simple family (publication)

DE 19709422 A1 19980910; **DE 19709422 B4 20110217**; EP 0922202 A1 19990616; JP 2000509833 A 20000802; KR 20000010782 A 20000225; US 6189377 B1 20010220; WO 9840700 A1 19980917

DOCDB simple family (application)

DE 19709422 A 19970307; DE 9702772 W 19971127; EP 97949961 A 19971127; JP 53903898 A 19971127; KR 19980708908 A 19981105; US 18044598 A 19981106