

Publication

EP 0847533 A4 19980617

Application

EP 95944538 A 19951228

Priority

- IL 11221895 A 19950102
- US 9516908 W 19951228

Abstract (en)

[origin: WO9621159A1] A transducer device for measuring the linear displacements of a monitored body. The device includes two stationary plates (1, 2) and a movable plate (6). The device further includes a mechanism (4) for applying an input alternating tension to one of the pair of stationary plates (1, 2) and a mechanism (16, 17, 20) for connecting the movable plate (6) to the monitored body so as to cause the displacement of the movable plate (6) to be a function of the displacement of the monitored body. The device further includes a mechanism (5) for monitoring the current induced in one of the stationary plates (1, 2). One of the stationary plates (1) and the movable plate (6) constitute a first capacitance while the other stationary plate (2) and the movable plate (6) constitute a second capacitance. The pair of stationary plates (1, 2) constitute a third capacitance. At least one of the first and second capacitances are a function of the displacement of the movable plate (6) and therefore of the displacement of the monitored body.

IPC 1-7

G01R 27/26

IPC 8 full level

G01B 7/02 (2006.01); **G01D 5/06** (2006.01); **G01D 5/241** (2006.01)

CPC (source: EP US)

G01B 7/02 (2013.01 - EP US); **G01D 5/06** (2013.01 - EP); **G01D 5/2403** (2021.05 - EP US)

Citation (search report)

- [A] FR 2682760 A1 19930423 - PROTOTYPE MECANIQUE IND [FR]
- [A] WO 9001760 A1 19900222 - SIECOR CORP [US]
- See references of WO 9621159A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9621159 A1 19960711; AU 4689296 A 19960724; EP 0847533 A1 19980617; EP 0847533 A4 19980617; IL 112218 A0 19950330

DOCDB simple family (application)

US 9516908 W 19951228; AU 4689296 A 19951228; EP 95944538 A 19951228; IL 11221895 A 19950102