

Title (en)

Piston-cylinder unit with device for position tracking

Title (de)

Kolben-Zylinder-Einheit mit Vorrichtung zur Positionsbestimmung

Title (fr)

Vérin avec dispositif de détermination de position

Publication

EP 2476916 B1 20170816 (DE)

Application

EP 11010014 A 20111220

Priority

DE 102011008381 A 20110112

Abstract (en)

[origin: EP2476916A2] The unit (10) has a position determination device with an excitation unit e.g. oscillator (50) such as Hartley oscillator, which is directly or indirectly connected with a tubular hydraulic cylinder barrel (20) and electrical-conductively connected with a cylinder piston (30). The determination device is partially arranged within a cylinder housing or the barrel. An electrical resonant circuit formed from the unit and contact lines (40) is stimulated for oscillating at resonance frequency. An electric signal characterizing the resonance frequency is measured as measurable voltage at the unit.

IPC 8 full level

F15B 15/28 (2006.01)

CPC (source: EP US)

F15B 15/2815 (2013.01 - EP US); **F15B 15/2869** (2013.01 - US)

Cited by

EP2876308A1; US9778015B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 11010014 A 20111220; DE 102011008381 A 20110112; JP 2012003227 A 20120111; US 201213347935 A 20120111