

Title (en)
Position indicator

Title (de)
Positionsanzeiger

Title (fr)
Indicateur de position

Publication
EP 0618373 B1 19990901 (EN)

Application
EP 94200818 A 19940328

Priority
NL 9300565 A 19930330

Abstract (en)
[origin: EP0618373A1] Apparatus for determining the position of a piston rod (1) relative to a reference point, in which the circumference surface of the surface rod (1) comprises a substantially tangentially directed profiling (2) with a pattern repeating itself in the axial direction, comprising a magnetic member which has been fixed relative to the reference point for generating a magnetic field, which is affected by the profiling (3); at least two sensor (6) fixed relative to the reference point for sensing the strength of the magnetic field, and a processing circuit for processing the signals generated by the sensor (6), in which the sensors (6) have a mutual distance in the axial direction, which equals an integer multiple of the pitch of the profiling (2) plus or minus a quarter of the pitch, whereby the sensors (6) each comprise a magnetoresistive element being integrated into a bridge circuit. <IMAGE>

IPC 1-7
F15B 15/28

IPC 8 full level
F15B 15/28 (2006.01)

CPC (source: EP)
F15B 15/2846 (2013.01); **F15B 15/2861** (2013.01)

Cited by
DE102014212382A1; WO02086330A1; EP1653089A1; CN102011763A; JP2007240531A; EP1832758A3; DE10119941A1; CN105221524A; US8058867B2; US7116097B2; US7631592B2; US6752171B1; WO0114750A3; US6922158B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0618373 A1 19941005; EP 0618373 B1 19990901; DE 69420299 D1 19991007; DE 69420299 T2 19991230; NL 9300565 A 19941017

DOCDB simple family (application)
EP 94200818 A 19940328; DE 69420299 T 19940328; NL 9300565 A 19930330