

Title (en)
PISTON FOR THE CONTACTLESS SENSING OF THE PISTON POSITION

Publication
EP 0093859 A3 19861029 (DE)

Application
EP 83102578 A 19830316

Priority
DE 8209420 U 19820402

Abstract (en)
[origin: EP0093859A2] 1. Piston whose position is to be sensed in a contactless manner, comprising an annular permanent magnet (11) which is arranged on both sides between discs (12, 13) which, together with the permanent magnet (11), are encased by sealing material (18) which also forms at least one sealing lip (20, 21) opposite the cylinder wall, characterized in that the permanent magnet (11) sits on a sleeve (10) which has a greater axial extent than the former, that there are intermediate spaces between the permanent magnet (11) and the discs (12, 13), designed as profile discs, with the exception of an area at the sleeve (10), that these intermediate spaces are filled by the sealing material (18) and that the inner side of the sleeve and also the discs, on all their outer sides, are encased by the sealing material (18).

IPC 1-7
G01D 5/20; F15B 15/28

IPC 8 full level
F15B 15/28 (2006.01); **G01D 5/20** (2006.01)

CPC (source: EP)
F15B 15/2892 (2013.01)

Citation (search report)
[A] GB 1123679 A 19680814 - BOSCH GMBH ROBERT

Cited by
DE102010006631A1; DE3507167A1; EP0351317A1; EP0838616A3; DE19925083A1; EP1058037A1; EP0631057A1; EP0721067A3; DE19651161C1; US6003227A; DE19715858C2; DE29607993U1; US5813313A; US11143214B2; WO2007003311A2; US4660460A; EP3553327A4; WO2007003311A3; DE102021205951A1; US11821444B2; EP1058037B1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0093859 A2 19831116; EP 0093859 A3 19861029; EP 0093859 B1 19890621; DE 3380096 D1 19890727; DE 8209420 U1 19830915

DOCDB simple family (application)
EP 83102578 A 19830316; DE 3380096 T 19830316; DE 8209420 U 19820402