

Title (en)

DEVICE FOR POSITION MEASUREMENT FOR CYLINDER DRIVES

Title (de)

VORRICHTUNG ZUR POSITIONSMESSUNG FÜR ZYLINDERANTRIEBE

Title (fr)

DISPOSITIF PERMETTANT DE MESURER LA POSITION DE SYSTEMES D'ENTRAINEMENT DE VERINS

Publication

**EP 0769132 A1 19970423 (DE)**

Application

**EP 96909920 A 19960422**

Priority

- AT 9600077 W 19960422
- AT 74595 A 19950502

Abstract (en)

[origin: WO9635098A1] If pneumatically or hydraulically actuated cylinders (1) are to be continuously positioned, a position sensor (15) must provide the controller with the current position of the piston (5). The proposed invention makes use of the moving piston rod (6) as a travel measuring system, graduations (16) being produced only by the effect of laser radiation (similar to the prior art laser printing method). A sensor (15) based on optical reflection recognises the dark graduations and light spaces and is thus able to determine the position of the piston (5). Generating the graduations pattern (16) by laser radiation directly on the surface of the piston rod (6) reduces production costs and is more environmentally acceptable than prior art photochemical processes.

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**G01B 3/00**

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