

Title (en)
HYDRAULIC CYLINDER AND INSTALLATION USING AT LEAST ONE SUCH HYDRAULIC CYLINDER

Title (de)
HYDRAULIKZYLINDER UND ANLAGE, BEI DER EIN SOLCHER HYDRAULIKZYLINDER EINGESETZT WIRD

Title (fr)
VERIN HYDRAULIQUE ET INSTALLATION METTANT EN OEUVRE AU MOINS UN TEL VERIN HYDRAULIQUE

Publication
EP 3428461 B1 20210120 (FR)

Application
EP 17181477 A 20170714

Priority
EP 17181477 A 20170714

Abstract (en)
[origin: CA3069767A1] The invention relates to a hydraulic cylinder comprising a body (1) having a wall (3) that defines a cylindrical cavity (2), with a cylindrical cavity axis (X), in which a piston (4) is movably mounted, said piston (4) separating said cylindrical cavity (2) into two tight chambers (5, 6) that are isolated from each other, the wall (3) of the body comprising at least two passages (7, 8) for introducing or discharging a fluid into each of said two chambers (5, 6). The cylinder also comprises two end walls (17, 18) and a rigid rod (32) which is secured to the piston (4) and coaxial with the cylindrical cavity (2), said rod (32) passing through a passage opening (20) provided in one of the two end walls (17, 18). The cylinder is characterised in that it comprises a position sensor (38) comprising a sensor head (39), a sensor rod (40) which is secured to the sensor head (39) and around which a magnet (41) is fitted, and a connector (42) connected to said sensor head (39).

IPC 8 full level
F15B 15/28 (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP US)
F15B 15/2815 (2013.01 - EP); **F15B 15/2861** (2013.01 - EP US); **F15B 15/2892** (2013.01 - EP US); **F15B 15/1438** (2013.01 - EP); **F15B 15/1442** (2013.01 - EP); **F15B 15/149** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3428461 A1 20190116; **EP 3428461 B1 20210120**; CA 3069767 A1 20190117; CN 111356845 A 20200630; CN 111356845 B 20220805; ES 2865264 T3 20211015; PT 3428461 T 20210427; US 11149764 B2 20211019; US 2020232486 A1 20200723; WO 2019011714 A1 20190117

DOCDB simple family (application)
EP 17181477 A 20170714; CA 3069767 A 20180703; CN 201880055338 A 20180703; EP 2018067885 W 20180703; ES 17181477 T 20170714; PT 17181477 T 20170714; US 201816630897 A 20180703