

Title (en)  
HYDRAULIC CYLINDER

Title (de)  
HYDRAULIKZYLINDER

Title (fr)  
VERIN HYDRAULIQUE

Publication  
**EP 1766247 A1 20070328 (EN)**

Application  
**EP 05742443 A 20050506**

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Abstract (en)  
[origin: WO2005111432A1] A hydraulic cylinder (10) is disclosed. The hydraulic cylinder has a tube (20) provided with a cap (30) attached to a first axial end portion of the tube (20) and a head (40) attached to the other axial end portion of the tube (20). A piston (55) is slideable axially within the tube (20) and is arranged to seal against the inside surface of the tube as it slides. The piston (55) has a rod (60) attached thereto which passes through and seals against the head (40) as it moves with the piston (55). Conduits (31, 41) are provided to be connected, in use, to sources of hydraulic fluid via suitable supply lines to control fluid pressure on at least one side of the piston (55) within the tube (20) to control axial movement of the piston (55) within the tube (20). End portions (21, 22) of the tube (20) are mechanically formed into engagement with at least one of the cap (30) and the head (40) to fix the tube in a permanent and fluid tight manner thereto. A method of assembling a hydraulic cylinder (10) is also disclosed.

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