

Title (en)

CYLINDER FOR HIGH-PRESSURE HYDRAULICS

Title (de)

ZYLINDER FÜR HOCHDRUCKHYDRAULIK

Title (fr)

CYLINDRE POUR L'HYDRAULIQUE HAUTE PRESSION

Publication

**EP 1819928 A1 20070822 (DE)**

Application

**EP 05804672 A 20051124**

Priority

- AT 2005000472 W 20051124
- AT 19802004 A 20041125

Abstract (en)

[origin: WO2006055997A1] A cylinder for high-pressure hydraulics is disclosed, comprising a cylinder sleeve (3), extending between a cylinder base (1) and a cylinder head (2), made from an inner tube (4) and a outer sleeve (5), applied to the inner tube (4), made from fibre-reinforced plastic. According to the invention, a weight reduction without loss of rigidity may be achieved, whereby the inner tube (4) of the cylinder sleeve (3), screwed to the cylinder base (1), connected to the outer sleeve in a shear-resistant manner, engages with the cylinder head (2) in a tensile-resistant manner.

IPC 8 full level

**F15B 15/14** (2006.01)

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Citation (search report)

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