

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**

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• AT 19802004 A 20041125

Abstract (en)  
[origin: US2010077918A1] A cylinder for high-pressure hydraulics is disclosed, with a cylinder sleeve extending between a cylinder base and a cylinder head composed of an inner tube and an outer sleeve made from fiber-reinforced plastic placed on the inner tube. According to the invention, a weight reduction without loss of rigidity may be achieved, whereby the inner tube of the cylinder sleeve screwed to the cylinder base and joined to the outer sleeve in a thrust-resistant or shear-resistant manner engages with the cylinder head in a tensile-resistant manner.

IPC 8 full level  
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**F15B 15/1428** (2013.01 - EP US); **F15B 15/1438** (2013.01 - EP US); **F15B 2215/305** (2013.01 - EP US)

Cited by  
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