

Title (en)
Hydraulic cylinder

Title (de)
Druckmittelzylinder

Title (fr)
Vérin hydraulique

Publication
EP 1176319 A3 20040204 (DE)

Application
EP 01890197 A 20010627

Priority
AT 13152000 A 20000726

Abstract (en)
[origin: EP1176319A2] The base (3) of the pressure medium cylinder has at least one cylindrical outer connecting section (17) into which run pressure medium lines (19,20) leading to the working chambers (11,18), and upon which is seated and fastened a functional block (5) with a sealed through-hole (21) into which run the pressure medium lines of functional elements (6-9). The cylinder base is altogether constructed as a separate, sealed rotational component co-axial with the cylinder casing (2).

IPC 1-7
F15B 15/14

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP US)
F15B 15/1433 (2013.01 - EP US); **F15B 15/149** (2013.01 - EP US)

Citation (search report)

- [A] WO 9934119 A1 19990708 - WEDELL ANDERS STEN [DK]
- [A] US 5975967 A 19991102 - NISHI MANABU [JP]
- [A] GB 626229 A 19490712 - JONKOPINGS MOTORFABRIK AB
- [A] DE 29818075 U

Cited by
CN106895043A; US6588556B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1176319 A2 20020130; EP 1176319 A3 20040204; EP 1176319 B1 20050601; AT 409788 B 20021125; AT A13152000 A 20020315; AT E296962 T1 20050615; DE 50106370 D1 20050707; US 2002010978 A1 20020131; US 6588556 B2 20030708

DOCDB simple family (application)
EP 01890197 A 20010627; AT 01890197 T 20010627; AT 13152000 A 20000726; DE 50106370 T 20010627; US 91185801 A 20010725