

Title (en)
Hydraulic apparatus

Title (de)
Hydraulikgerät

Title (fr)
Appareil hydraulique

Publication
EP 1623653 A1 20060208 (DE)

Application
EP 05016151 A 20050726

Priority
DE 102004037697 A 20040802

Abstract (en)
The device has a lifting piston contained in a lifting cylinder (3), and a pump piston moved within a pump cylinder (9). The lifting cylinder, the pump cylinder and a tank chamber are each formed by a compartment belonging to a profile tube (2). Two tension rod compartments are provided in the profile tube, where the lifting cylinder compartment is positioned in center of the profile tube.

IPC 8 full level
A47C 3/30 (2006.01)

CPC (source: EP US)
A47C 3/30 (2013.01 - EP US)

Citation (applicant)
DE 4340236 A1 19940601 - LUPOLD WILHELM [DE]

Citation (search report)
• [A] US 3406517 A 19681022 - DE GASTON RAOUL H
• [A] US 2002060490 A1 20020523 - MINAMI NOBUYUKI [JP]
• [A] DE 9321048 U1 19951116 - LUPOLD WILHELM [DE]
• [A] GB 586092 A 19470306 - HERBERT EDWARD PAGE
• [A] US 3146592 A 19640901 - JOHNSON PHILIP C

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1623653 A1 20060208; EP 1623653 B1 20080402; AT E390868 T1 20080415; DE 102004037697 A1 20060223;
DE 102004037697 B4 20061019; DE 502005003535 D1 20080515; DK 1623653 T3 20080728; US 2006021342 A1 20060202

DOCDB simple family (application)
EP 05016151 A 20050726; AT 05016151 T 20050726; DE 102004037697 A 20040802; DE 502005003535 T 20050726;
DK 05016151 T 20050726; US 19361205 A 20050801