

Title (en)  
Low noise hydraulic power unit

Title (de)  
Geräuscharmes Hydraulikaggregat

Title (fr)  
Unité hydraulique à faible bruit

Publication  
**EP 1413772 B1 20051109 (DE)**

Application  
**EP 03021586 A 20030925**

Priority  
DE 10249337 A 20021022

Abstract (en)  
[origin: EP1413772A1] A low-noise hydraulic system is installed within a rectangular frame (10) on a base plate (11) which also forms the base of a hydraulic reservoir (13). The reservoir forms at least two of the frame sidewalls. The other sidewalls are noise-insulating sidewalls (20, 33). The unit also encloses several groups of pumps (40, 41, 42) fixed to the base-plate. The reservoir forms two sidewall (13a, 13b; 13c, 13d) sections of the frame. One transverse sidewall (13e) links the two sidewalls to form an H-shaped group. The motor pump groups are located within two compartments.

IPC 1-7  
**F15B 1/26**; F15B 21/04; F04B 23/02; F04B 23/04

IPC 8 full level  
**F04B 23/02** (2006.01); **F04B 23/06** (2006.01); **F04B 53/00** (2006.01); **F15B 1/26** (2006.01); **F15B 21/04** (2006.01)

CPC (source: EP)  
**F04B 23/025** (2013.01); **F04B 23/06** (2013.01); **F04B 53/002** (2013.01); **F15B 1/26** (2013.01); **F15B 21/008** (2013.01)

Cited by  
AT519817A1; CN104141605A

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

DOCDB simple family (publication)  
**EP 1413772 A1 20040428**; **EP 1413772 B1 20051109**; AT E309470 T1 20051115; DE 10249337 A1 20040506; DE 50301604 D1 20051215; ES 2251659 T3 20060501

DOCDB simple family (application)  
**EP 03021586 A 20030925**; AT 03021586 T 20030925; DE 10249337 A 20021022; DE 50301604 T 20030925; ES 03021586 T 20030925