

Title (en)

Hydraulic transformer with two axial piston machines with single common swash plate

Title (de)

Hydraulischer Transformator mit zwei Axialkolbenmaschinen mit einer gemeinsamen Schwenkscheibe

Title (fr)

Transormateur hydraulique avec deux machines à piston axial avec un disque commun

Publication

**EP 0851121 B1 20011031 (DE)**

Application

**EP 97121125 A 19971202**

Priority

DE 19654567 A 19961227

Abstract (en)

[origin: EP0851121A1] The hydraulic transformer has two axial piston machine with adjustable piston displacement which can function as a pump or a motor. The pistons (9,42,44) of both axial piston machines (4,5,43,45) are connected to a tilting box (3,30,50) which is arranged tiltable about an axis (S) perpendicular to the shaft axis (W) of the machines.

IPC 1-7

**F04B 1/22**

IPC 8 full level

**F01B 3/00** (2006.01); **F04B 1/22** (2006.01); **F04B 1/24** (2006.01)

CPC (source: EP)

**F01B 3/0035** (2013.01); **F04B 1/24** (2013.01)

Cited by

CN102788062A; CN105351259A; CN105864124A; JP2005522631A; CN102562690A; CN106286433A; WO2012119802A1; WO03087575A1; WO0007796A1; US6527540B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0851121 A1 19980701**; **EP 0851121 B1 20011031**; DE 19654567 A1 19980702; DE 59705172 D1 20011206

DOCDB simple family (application)

**EP 97121125 A 19971202**; DE 19654567 A 19961227; DE 59705172 T 19971202