

Title (en)

GEARBOX, AND CENTRIFUGE INCORPORATING SAME

Title (de)

GETRIEBE UND DIESES UMFASSENDE ZENTRIFUGE

Title (fr)

BOITE DE VITESSES ET CENTRIFUGEUSE LA COMPRENANT

Publication

EP 1623141 A2 20060208 (EN)

Application

EP 04730599 A 20040430

Priority

- GB 2004001918 W 20040430
- GB 0310157 A 20030502

Abstract (en)

[origin: WO2004097255A2] A gearbox for a centrifuge, such as a decanter centrifuge, comprising rotatable bowl (1) connected to a housing (31) of the gearbox drivable at a first speed by a first external driving means (11) and a helical conveyer (2) coaxially arranged for rotating therein at a second rotational speed, wherein the gearbox comprises a compound planet epicyclic gear train, and compound planet wheels (29) of the epicyclic gear train are radially supported by one or more rings (36) to counteract the centrifugal forces acting on them. The invention also includes a centrifuge provided with such a gearbox.

IPC 1-7

F16H 1/46; **F16H 57/02**; **B04B 1/20**

IPC 8 full level

B04B 1/20 (2006.01); **F16H 3/72** (2006.01); **F16H 57/04** (2010.01)

CPC (source: EP)

B04B 1/2016 (2013.01); **F16H 3/724** (2013.01); **F16H 57/0482** (2013.01); **B04B 2001/2025** (2013.01); **F16H 2001/2881** (2013.01)

Citation (search report)

See references of WO 2004097255A2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004097255 A2 20041111; **WO 2004097255 A3 20050113**; **WO 2004097255 B1 20050324**; EP 1623141 A2 20060208

DOCDB simple family (application)

GB 2004001918 W 20040430; EP 04730599 A 20040430