

Title (en)

SOUND-PROOFED PLANETARY GEARBOX, AND WIND TURBINE COMPRISING SUCH A GEARBOX

Title (de)

SCHALLENTKOPPELTES PLANETENGETRIEBE UND WINDKRAFTANLAGE MIT SOLCH EINEM GETRIEBE

Title (fr)

BOÎTE DE VITESSES À TRAIN PLANÉTAIRE INSONORISÉE ET ÉOLIENNE COMPRENANT UNE TELLE BOÎTE DE VITESSES

Publication

EP 4288681 A1 20231213 (DE)

Application

EP 22708308 A 20220204

Priority

- EP 21020062 A 20210208
- EP 2022025040 W 20220204

Abstract (en)

[origin: WO2022167155A1] The invention relates to a planetary gearbox for higher gear ratios which can be used in machines and plants, in particular wind turbines, in which high torques and powers have to be transmitted. More particularly, the invention relates to such a planetary gearbox which, owing to a special novel design, is particularly sound-proofed with respect to sound events, in particular radially and torsionally directed sound events, which occur frequently during operation of the machine or plant.

IPC 8 full level

F16H 57/00 (2012.01); **F03D 15/00** (2016.01); **F16H 57/08** (2006.01)

CPC (source: EP)

F16H 57/0006 (2013.01); **F16H 57/08** (2013.01); **F03D 15/00** (2016.05); **F05B 2260/40311** (2013.01); **F16H 2057/0012** (2013.01); **Y02E 10/72** (2013.01)

Citation (search report)

See references of WO 2022167155A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022167155 A1 20220811; EP 4288681 A1 20231213

DOCDB simple family (application)

EP 2022025040 W 20220204; EP 22708308 A 20220204