Title (en)

TRANSMISSION UNIT COMPRISING AN AUXILIARY GEAR SET

Title (de)

GETRIEBEEINHEIT MIT PLUSGETRIEBESATZ

Title (fr)

UNITÉ DE TRANSMISSION DOTÉE D'UN TRAIN PLANÉTAIRE POSITIF

Publication

EP 2926030 A1 20151007 (DE)

Application

EP 13774434 A 20131011

Priority

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Abstract (en)

[origin: WO2014082782A1] The invention relates to a transmission unit (1), in particular for a wind turbine, said unit comprising a first planetary gear stage (2) on the input side, a second planetary gear stage (3) and a third planetary gear stage (4) on the output side, said stages being coupled together in such a way that a torque on the input side can be split between the first and the second planetary gear stage (2; 3) and can be combined in the third planetary gear stage (4), the first or the second planetary gear stage (2; 3) being coupled to a ring gear (10) of the third planetary gear stage (4) and the other of the two planetary gear stages (2; 3) being coupled to at least one planetary gear (11) of the third planetary gear stage (4). According to the invention, one of the planetary gear stages (2; 3; 4) has an auxiliary gear set (14) in the region between the central sun gear (5; 6; 7) and the radially outlying ring gear (8; 9; 10) of said stage, by means of which set the rotational direction of the sun gear (5; 6; 7) or the ring gear (8; 9; 10) can be reversed.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2014082782A1

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