

Title (en)  
AXIAL SECURING OF A PLANETARY GEARING BEARING ARRANGEMENT

Title (de)  
AXIALE FIXIERUNG EINER PLANETENLAGERUNG

Title (fr)  
FIXATION AXIALE D'UN PALIER PLANÉTAIRE

Publication  
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Application  
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Abstract (en)  
[origin: WO2015090785A1] The invention relates to a planetary gear set, in particular for a wind turbine, comprising at least one planetary gear (102), at least one planetary shaft (108), and at least one planetary carrier (110). The planetary gear (102) is rotatably mounted on the planetary shaft (108) by means of at least one first bearing (104) and at least one second bearing (106), wherein the first bearing (104) can support the planetary gear (102) at least to prevent a displacement in a first axial direction (124), and wherein the second bearing (106) can support the planetary gear (102) at least to prevent a displacement in a second axial direction (126) running in an opposite direction to the first direction (124). The planetary gear set comprises: at least one means (128) for supporting an inner ring of the first bearing (104) on the planetary carrier (110) to prevent a displacement of the inner ring in the first direction (124); at least one means (130) of supporting an inner ring of the second bearing (106) on the planetary shaft (108) to prevent a displacement of the inner ring in the second direction (126); and at least one means (202, 204) of supporting the planetary shaft (108) on the planetary carrier (110) to prevent a displacement of the planetary shaft (108) in the first direction (124). According to the invention, the means (202, 204) for supporting the planetary shaft (108) on the planetary carrier (110) is arranged in such a way that the first bearing (104) and the second bearing (106) cannot be in a load path between the planetary shaft (108) and the planetary carrier (110).

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