

Title (en)
SEGMENTED GENERATOR, GENERATOR SEGMENT AND WIND TURBINE, AND ALSO METHOD FOR PREPARING TRANSPORTATION OF A SEGMENTED GENERATOR, AND FOR TRANSPORTING AND INSTALLING THE SAME, AND ALSO METHOD FOR ASSEMBLING A WIND TURBINE

Title (de)
SEGMENTIERTER GENERATOR, GENERATORSEGMENT UND WNDENERGIEANLAGE SOWIE VERFAHREN ZUR TRANSPORTVORBEREITUNG, ZUM TRANSPORT UND ZUR MONTAGE EINES SEGMENTIERTEN GENERATORS SOWIE VERFAHREN ZUR MONTAGE EINER WNDENERGIEANLAGE

Title (fr)
GÉNÉRATEUR SEGMENTÉ, SEGMENT DE GÉNÉRATEUR ET ÉOLIENNE, PROCÉDÉ DE PRÉPARATION DE TRANSPORT ET D'INSTALLATION D'UN GÉNÉRATEUR SEGMENTÉ, ET PROCÉDÉ D'ASSEMBLAGE D'UNE ÉOLIENNE

Publication
EP 4264803 A1 20231025 (DE)

Application
EP 21840580 A 20211217

Priority
• EP 20215456 A 20201218
• EP 2021086444 W 20211217

Abstract (en)
[origin: WO2022129493A1] The invention relates to a generator segment (10) of a segmented generator (1), in particular of a permanently excited segmented rotary generator (1), of a wind turbine (100), comprising a rotor segment (200) of a rotor (106) and a stator segment (300) of a stator (109), wherein, in an operating position, the rotor segment (200) and the stator segment (300) are spaced apart from one another in a radial direction by an air gap (S) and are spaced apart from one another in an axial direction by an axial distance (A); wherein the rotor segment (200) and the stator segment (300) can be arranged and/or displaced relative to one another by the axial distance (A) along an axis of rotation (D) between an operating position and a transporting position, which is different from the operating position.

IPC 8 full level
H02K 7/18 (2006.01); **F03D 13/40** (2016.01); **H02K 1/27** (2022.01); **H02K 15/00** (2006.01); **H02K 15/02** (2006.01); **H02K 15/03** (2006.01); **H02K 21/22** (2006.01)

CPC (source: EP US)
F03D 9/25 (2016.05 - EP US); **F03D 13/40** (2016.05 - US); **H02K 1/2791** (2022.01 - EP); **H02K 7/1838** (2013.01 - EP US); **H02K 15/02** (2013.01 - EP US); **H02K 15/03** (2013.01 - EP); **H02K 21/22** (2013.01 - EP US); **F03D 15/20** (2016.05 - EP); **F05B 2220/7068** (2013.01 - EP US); **F05B 2230/60** (2013.01 - US); **F05B 2260/02** (2013.01 - US); **H02K 2201/15** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

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)
EP 4016809 A1 20220622; EP 4016809 B1 20230104; CN 116761939 A 20230915; DK 4016809 T3 20230227; EP 4264803 A1 20231025; US 2024097537 A1 20240321; WO 2022129493 A1 20220623

DOCDB simple family (application)
EP 20215456 A 20201218; CN 202180085432 A 20211217; DK 20215456 T 20201218; EP 2021086444 W 20211217; EP 21840580 A 20211217; US 202118257857 A 20211217