

Title (en)

BEARING BUSH, BEARING BUSH ASSEMBLY, AND WIND TURBINE BEARING FOR WIND TURBINES

Title (de)

LAGERBUCHSE, LAGERBUCHSENANORDNUNG UND WINDENERGIEANLAGENLAGER FÜR WINDENERGIEANLAGEN

Title (fr)

DOUILLE-PALIER, AGENCEMENT DE DOUILLES-PALIER ET PALIER POUR ÉOLIENNES

Publication

**EP 4377587 A1 20240605 (DE)**

Application

**EP 22755174 A 20220726**

Priority

- DE 102021119470 A 20210727
- EP 2022070864 W 20220726

Abstract (en)

[origin: CA3226526A1] The invention relates to a bearing bush (1) for movably mounting a generator-side component (3) and a foundation-side component (5) of a wind turbine, the bearing bush comprising an elastomer part (35) having a hollow chamber (36) for accommodating a foundation- or generator-side bearing bolt (11) that defines a longitudinal direction (L), further comprising a bracing subassembly (13) designed to compress the elastomer part (35) on both sides in the longitudinal direction (L) in such a way as to exert a preloading force, directed in the longitudinal direction (L), on both sides of the elastomer part (35) when compressing the elastomer part (35). The invention further relates to a bearing bush assembly consisting of 6, 8, 12, 15 or 20 bearing bushes as well as to a wind turbine bearing.

IPC 8 full level

**F16F 9/512** (2006.01); **F16F 1/38** (2006.01); **F16F 1/387** (2006.01); **F16F 3/093** (2006.01); **F16F 9/56** (2006.01)

CPC (source: EP)

**F16F 1/3842** (2013.01); **F16F 3/093** (2013.01); **F16F 1/3807** (2013.01); **F16F 1/3873** (2013.01); **F16F 2228/08** (2013.01); **Y02E 10/72** (2013.01)

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)

**DE 102021119470 A1 20230202**; CA 3226526 A1 20230202; CN 117916491 A 20240419; EP 4377587 A1 20240605; WO 2023006703 A1 20230202

DOCDB simple family (application)

**DE 102021119470 A 20210727**; CA 3226526 A 20220726; CN 202280061302 A 20220726; EP 2022070864 W 20220726; EP 22755174 A 20220726