

Title (en)

FASTENER FOR A VALVE OR TURBINE HOUSING

Title (de)

BEFESTIGUNGSMITTEL FÜR EIN TURBINEN- ODER VENTILGEHÄUSE

Title (fr)

MOYEN DE FIXATION POUR UN LOGEMENT DE TURBINE OU DE SOUPAPE

Publication

**EP 3719163 A1 20201007 (DE)**

Application

**EP 19166713 A 20190402**

Priority

EP 19166713 A 20190402

Abstract (en)

[origin: WO2020200608A1] A fastening means (22) for connecting a first housing part (14) of a steam- or gas turbine (10) to a second housing part (16) of the turbine, is characterised according to the invention in that the screw (22) is made of a parent metal with a high degree of stress relaxation.

Abstract (de)

Ein Befestigungsmittel (22) zum Verbinden eines ersten Gehäuseteils (14) einer Dampf- oder Gasturbine (10) mit einem zweiten Gehäuseteil (16) der Turbine ist erfindungsgemäß dadurch gekennzeichnet, dass die Schraube (22) aus einem Grundwerkstoff mit hoher Relaxationsfestigkeit ausgebildet ist.

IPC 8 full level

**C22C 38/44** (2006.01); **C22C 38/00** (2006.01); **C22C 38/04** (2006.01); **C22C 38/22** (2006.01); **C22C 38/24** (2006.01); **C22C 38/26** (2006.01); **C22C 38/30** (2006.01); **C22C 38/32** (2006.01); **C22C 38/46** (2006.01); **F01D 25/24** (2006.01); **F16B 33/00** (2006.01)

CPC (source: EP KR US)

**C21D 1/18** (2013.01 - EP KR US); **C21D 1/28** (2013.01 - EP KR US); **C21D 6/002** (2013.01 - EP KR US); **C22C 38/001** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/24** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/30** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP KR US); **C22C 38/46** (2013.01 - EP US); **C22C 38/52** (2013.01 - KR US); **F01D 25/243** (2013.01 - EP KR US); **F05D 2220/31** (2013.01 - EP KR US)

Citation (search report)

- [XYI] EP 1681359 A1 20060719 - NAT INST FOR MATERIALS SCIENCE [JP]
- [Y] EP 1754798 A1 20070221 - SIEMENS AG [DE]
- [Y] DE 102017215250 A1 20190228 - SIEMENS AG [DE]

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3719163 A1 20201007**; CN 113661267 A 20211116; EP 3921452 A1 20211215; EP 3921452 B1 20230118; JP 2022532472 A 20220715; JP 7309904 B2 20230718; KR 20210144852 A 20211130; PL 3921452 T3 20230821; US 2022162966 A1 20220526; WO 2020200608 A1 20201008

DOCDB simple family (application)

**EP 19166713 A 20190402**; CN 202080026904 A 20200303; EP 2020055494 W 20200303; EP 20710833 A 20200303; JP 2021558896 A 20200303; KR 20217035136 A 20200303; PL 20710833 T 20200303; US 202017438130 A 20200303