

Title (en)

TURBINE INSTALLATION WITH PUSHING ELEMENT AND PUSHING ELEMENT FOR A TURBINE INSTALLATION

Title (de)

TURBINENANLAGE MIT SCHUBELEMENT SOWIE SCHUBELEMENT

Title (fr)

INSTALLATION DE TURBINE A ELEMENT DE POUSSEE ET ELEMENT DE POUSSEE POUR INSTALLATION DE TURBINE

Publication

**EP 0914543 A1 19990512 (DE)**

Application

**EP 97935458 A 19970722**

Priority

- DE 9701546 W 19970722
- DE 19629933 A 19960724

Abstract (en)

[origin: WO9804810A1] A turbine installation (1), in particular a steam turbine installation, has at least two partial turbines (2, 3a, 3b, 3c) having each a turbine rotor (5) which extends along a main axis (4) and an inner housing (7, 8a, 8b, 8c) that receives the guide blades (6). At least one inner housing (8a, 8b, 8c) can be moved in the axial direction, and a thermally expanding pushing element (9) is provided to ensure its axial displacement. The pushing element (9) has a first expanding component (10a) and a second expanding component (10b) joined by a coupling component (11). The coupling component (11) moves by mechanical and/or hydraulic means the second expanding component (10b) in the axial direction over a distance which is larger than the thermal expansion and/or axial displacement of the first expanding component (10a). Also disclosed is a pushing element (9).

IPC 1-7

**F01D 25/28**

IPC 8 full level

**F01D 25/26** (2006.01); **F01D 25/28** (2006.01)

CPC (source: EP)

**F01D 25/26** (2013.01); **F01D 25/28** (2013.01)

Cited by

US11460037B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

**WO 9804810 A1 19980205**; AT E206502 T1 20011015; CN 1091209 C 20020918; CN 1225705 A 19990811; DE 19629933 C1 19970904; DE 59704804 D1 20011108; EP 0914543 A1 19990512; EP 0914543 B1 20011004; ES 2165623 T3 20020316; JP 2001508146 A 20010619; JP 3898229 B2 20070328; PT 914543 E 20020328; RU 2185516 C2 20020720

DOCDB simple family (application)

**DE 9701546 W 19970722**; AT 97935458 T 19970722; CN 97196568 A 19970722; DE 19629933 A 19960724; DE 59704804 T 19970722; EP 97935458 A 19970722; ES 97935458 T 19970722; JP 50838098 A 19970722; PT 97935458 T 19970722; RU 99103641 A 19970722