

Title (en)

COVERING ELEMENT AND ARRANGEMENT WITH A COVERING ELEMENT AND A SUPPORT STRUCTURE

Title (de)

ABDECKELEMENT UND ANORDNUNG MIT EINEM ABDECKELEMENT UND MIT EINER TRAGSTRUKTUR

Title (fr)

ELEMENT DE REVETEMENT ET SYSTEME COMPORTANT UN ELEMENT DE REVETEMENT ET UNE STRUCTURE SUPPORT

Publication

EP 1163430 B1 20030820 (DE)

Application

EP 00916951 A 20000315

Priority

- EP 00916951 A 20000315
- EP 0002296 W 20000315
- EP 99105944 A 19990324

Abstract (en)

[origin: WO0057033A1] The invention relates to a covering element (2) for protecting components, especially components in a gas turbine (1), in a machine that is subjected to high thermal stress. The covering element (2) is provided with a wall (8) with a hot side (10) which can be exposed to a hot medium (M) and a cold side (12) which is opposite the hot side (10). The cold side (12) is provided with a cooling surface (14) that can be subjected to a coolant (K). Holding elements (28) are provided on the cold side (12). The invention also relates to an arrangement with a covering element (2) and with a support structure (34). The arrangement is tolerant with respect to thermal expansion.

IPC 1-7

F01D 25/24; **F01D 11/08**

IPC 8 full level

F01D 11/08 (2006.01); **F01D 25/24** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP US)

F01D 11/08 (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US)

Cited by

US7766611B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 0057033 A1 20000928; CA 2366357 A1 20000928; DE 50003360 D1 20030925; EP 1163430 A1 20011219; EP 1163430 B1 20030820; JP 2002540337 A 20021126; US 6602050 B1 20030805

DOCDB simple family (application)

EP 0002296 W 20000315; CA 2366357 A 20000315; DE 50003360 T 20000315; EP 00916951 A 20000315; JP 2000606878 A 20000315; US 93721401 A 20010924