Title (en)
HEAT ACCUMULATION SEGMENT

Title (de)
WÄRMESTAUSEGMENT

Title (fr)
SEGMENT D'ACCUMULATION DE CHALEUR

Publication
EP 1861583 A1 20071205 (DE)

Application
EP 06725188 A 20060321

Priority
- EP 2006060900 W 20060321
- DE 102005013796 A 20050324

Abstract (en)
[origin: US7665958B2] A heat accumulation segment for local separation of a flow duct inside a turbo engine, from a stator housing that radially surrounds the flow duct is provided. The heat accumulation segment includes two axially opposed joining contoured elements that are engagable with two components that are axially adjacent along the flow duct. A first one of the two joining contoured elements has a radially oriented recess with a contoured surface against which a securing pin having an external contour complementary to the contoured surface acts radially under force action from a component that adjoins the first joining contoured element. The first joining contoured element has a collar portion having radially upper and lower collar surfaces, and the collar portion is connected within a counter-contoured receiving contoured element in the axially adjacent component by a joining force that acts between the securing pin and the conical contoured surface.

IPC 8 full level
F01D 25/24 (2006.01); **F01D 25/14** (2006.01)

CPC (source: EP KR US)
F01D 11/18 (2013.01 - EP US); **F01D 25/14** (2013.01 - KR); **F01D 25/24** (2013.01 - KR); **F01D 25/246** (2013.01 - EP US); F05D 2240/11 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2008050225 A1 20080228; **US 7665958 B2 20100223**; AT E453779 T1 20100115; AU 2006226419 A1 20060928; AU 2006226419 B2 20090723; BR PI0609310 A2 20100309; BR PI0609310 A8 20170124; DE 102005013796 A1 20060928; DE 502006005785 D1 20100211; EP 1861583 A1 20071205; EP 1861583 B1 20091230; KR 101259205 B1 20130429; KR 20070116152 A 20071206; MX 2007011766 A 20071122; SI 1861583 T1 20100531; WO 2006100233 A1 20060928

DOCDB simple family (application)
US 86009907 A 20070924; AT 06725188 T 20060321; AU 2006226419 A 20060321; BR PI0609310 A 20060321; DE 102005013796 A 20050324; DE 502006005785 T 20060321; EP 06725188 A 20060321; EP 2006060900 W 20060321; KR 20077024523 A 20060321; MX 2007011766 A 20060321; SI 200630608 T 20060321