

Title (en)  
Compressor case construction.

Title (de)  
Kompressorgehäuse-Konstruktion.

Title (fr)  
Construction de carter de compresseur.

Publication  
**EP 0475771 B1 19950510 (EN)**

Application  
**EP 91308357 A 19910912**

Priority  
US 58121990 A 19900912

Abstract (en)  
[origin: EP0475771A1] The last stages of a compressor section of a gas turbine engine that utilizes a drum rotor (12) and segmented stator supported to an axially split outer case (20) suspends the segmented stator case (120) to a full hoop outer case (34) in such a way that the segmented stator may displace axially and thermally grow circumferentially while being constrained radially. A method of assembly and disassembly of the full hoop outer case is provided. A hook (126) on the inner case engages with a groove provided in a support member (120) on the outer case (34). Lugs (127) engage on either side of the hook (126) to prevent rotation. A spool and bolt assembly (50,62) attaches the outer case (34) to the inner case (22). In a method of assembly, a slidable support fixture is temporarily attached to the engine and slides the outer case into position, after which the fixture may be removed. <IMAGE>

IPC 1-7  
**F01D 25/24**; **F01D 25/26**; **F04D 29/52**; **F04D 29/64**

IPC 8 full level  
**F01D 25/24** (2006.01); **F01D 25/26** (2006.01); **F01D 25/28** (2006.01); **F04D 29/52** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP KR)  
**F01D 25/24** (2013.01 - KR); **F01D 25/246** (2013.01 - EP); **F01D 25/265** (2013.01 - EP); **F01D 25/285** (2013.01 - EP); **F04D 29/522** (2013.01 - EP); **F04D 29/644** (2013.01 - EP); **F05D 2230/64** (2013.01 - EP)

Cited by  
FR2846997A1; EP0962659A3; EP1544415A3; EP2151546A3; GB2261708A; GB2261708B; GB2260786A; GB2260786B; EP0566478A1; FR2690202A1; US5350276A; CN101799021A; ITUB20152025A1; CN108026786A; CN113997240A; EP1544415A2; US10550699B2; WO2006059969A1; WO2014189564A3; US8267646B2; US9677421B2; US10801370B2; WO2014066566A1; WO2017005901A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0475771 A1 19920318**; **EP 0475771 B1 19950510**; DE 69109590 D1 19950614; DE 69109590 T2 19960208; KR 100204743 B1 19990615; KR 920006615 A 19920427; TR 27460 A 19950529

DOCDB simple family (application)  
**EP 91308357 A 19910912**; DE 69109590 T 19910912; KR 910015829 A 19910911; TR 90491 A 19910911