

# Common Citation Document

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Presentation to IP5 Heads / Industry  
5 June 2012



## Brief reminder

- Common Citation Document (CCD) was initially proposed by Trilateral Industry.
- Following this proposal Trilateral Offices developed a first pilot and refined it into a production version launched in November 2011.
- The EPO receives and incorporates timely citation data as it is produced in each report from JPO and USPTO.
- At the recent IP5 Deputy Heads meeting, KIPO and SIPO agreed to participate in the CCD.
- CCD is now available under: **<http://www.fiveipoffices.org/ccd>** and **<http://www.trilateral.net/ccd>**.

#	CC	Cat.	Citation details	Claims
1	EP		Application N° EP20040425480 [EP04425480] - 30 June 2004 <a href="#">Detailed Description</a>	
X			DE16345154 A1 (DENSO CORP [JP]) - 22 April 2004 Page 3, paragraph 19 Figure 1	1-3
X			US6581246 A (BOECH CHEN ROBERT [DE]) - 26 February 1998 Column 2, line 22 - column 2, line 23 Figure 1	1-5
X			EPO370730 A1 (RENAULT [FR]) - 18 June 1988 Page 6, line 12 - page 6, line 5 Figure 1, 6	1,4-8
A			EPO209337 A3 (IVECO FIAT [IT], et al.) - 18 January 1989 Figure 1	1-8
A			DEL371489 C1 (SIEMENS AG [DE]) - 1 October 1998 Figure 1	1-9
3	AT		Application N° AT760040425480T [A764425480] - 30 June 2004	
3	DE		Application N° DE20046000210ST [D60200400210S] - 30 June 2004	
4	ES		Application N° ES2004042548OT [ES04425480] - 30 June 2004	
5	JP		Application N° JP20050120087 [JP2005120087] - 18 April 2005	
6	JP		Application N° JP20090214944 [JP2009214944] - 16 September 2009 <a href="#">Detailed Description</a>	
			JP2004011448 A (NIPPON SOKEN, et al.) - 18 January 2004	
			JP2004324727 A (DENSO CORP) - 22 April 2004	
			JPH01180104 U	
			JP11230005 A (NIPPON SOKEN, et al.) - 24 August 1999	
			JP10299611 A (NIPPON SOKEN) - 10 November 1998	
			JP2001107776 A (MITSUBISHI MOTORS) - 17 April 2001	
			JP2000130288 A (TOYOTA MOTOR CORP) - 9 May 2000	
7	US		Application N° US20050095425 [U01108425] - 31 March 2005 <a href="#">Detailed Search Report</a>	

**Inspector: classifications and fields searched**

**Classifications**

IPC	F02M59/36; F02M59/20; F02M63/02
EP	F02M59/10B; F02C41/38CB6; F02M59/06; F02M59/36G; F02M63/02C
AT	
ES	F02M59/10B; F02C41/38CB6; F02M59/06; F02M59/36G; F02M63/02C
DE	
EP	F02M59/36; F02M59/20; F02M63/02
EP	F02M59/10B; F02C41/38CB6; F02M59/06; F02M59/36G; F02M63/02C
ES	
EP	F02M59/36; F02M59/20; F02M63/02
EP	F02M59/10B; F02C41/38CB6; F02M59/06; F02M59/36G; F02M63/02C
JP	
EP	F02M59/36; F02M37/00; F02M51/02; F02M59/20; F02M51/02; F02M47/00; F02M63/02
FITERM	F02M37/00B311A; F02W51/02R; F02W51/20SD; F02M59/36; F02M63/02C; F02M63/02B; F02M63/02C; F02M63/B13; F02M63/CANAL; F02M63/B14; F02M63/C02; F02M63/D04; F02M63/D09; F02M63/D18
US	
EP	F02M63/02; F02H18/00
IPC	I23/A46; I23/A47; I23/A56; I23/A59; 417/487
EP	F02M59/10B; F02C41/38CB6; F02M59/06; F02M59/36G; F02M63/02C

**Fields searched**

EP	IPC	FQ2M
EP		
IPC		

Number: 1783326 Search

EP20030746705 EP20060123454

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## CCD Viewer

Citations only view Compact view Sort by country Filter Classifications &amp; fields searched

#	CC	Cat.	Citation details	Claims
1	EP		<b>Application N° EP20060123454</b> (EP06123454) - 3 November 2006	
			National Search Report	
X			<b>US2003035726 A1 (TIEMANN PETER, , et al)</b> - 20 February 2003 Page 4, paragraph 44 - page 4, paragraph 45 Figure 4	1-9
X			<b>EP0541207 A1 (GEN ELECTRIC [US])</b> - 12 May 1993 Column 5, line 33 - column 5, line 37 Figure 2, 3	1-9
A			<b>US5695321 A (GEN ELECTRIC [US])</b> - 9 December 1997 Column 6, line 28 - column 6, line 32 Figure 4 - 6	2
A			<b>Impingement cooling in a rotating curved square annular duct with crossflow effect from rib-roughened surfaces</b> <b>Authors:</b> SHOU-SHING HSIEH, JUNG-TAI HUANG, HUANG-HSIU TSAI <b>Publication data:</b> INSPEC Abstract	8,9
2	CA		<b>Application N° CA20062567126</b> (CA002567126) - 3 November 2006	
3	FR		<b>Application N° FR20050053357</b> (FR0553357) - 7 November	

Simple families: 1 Total family members: 6

## Inspector: classifications and fields searched

## Classifications

EP	IPC EC	<b>F01D5/18</b> F01D9/04B, F01D5/18G2C, F01D9/06C
CA	IPC EC	<b>F01D5/18, F01D25/12</b> F01D9/04B, F01D5/18G2C, F01D9/06C
FR	IPC EC	<b>F01D5/18</b> F01D9/04B, F01D5/18G2C, F01D9/06C
JP	IPC FI FTERM	<b>F01D9/02, F01D1/18</b> F01D1/18, F01D9/02&102 3G002/CA03, 3G002/CA06, 3G002/CA07, 3G002/CB01, 3G002/CB04, 3G002/CB05, 3G002/GA08, 3G002/GB01, 3G202/CA03, 3G202/CA06, 3G202/CA07, 3G202/CB01, 3G202/CB04, 3G202/CB05, 3G202/GA08, 3G202/GB01
	EC	F01D9/04B, F01D5/18G2C, F01D9/06C
RU	IPC EC	<b>F01D5/18</b> F01D9/04B, F01D5/18G2C, F01D9/06C



Number: 1783326 Search

US19900629855 EP20060123454

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Citation EP0541207.A1 [also published as]

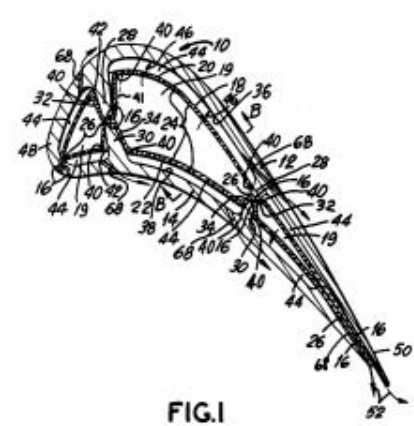
- Biblio Description Claims Original document

Full document: EP 0541207 (A1)

Cincinnati, Ohio 45213(US)  
Representative: Lupton, Frederick  
LONDON PATENT OPERATION, G.E.  
TECHNICAL SERVICES Co. INC., Essex  
House, 12/13 Essex Street  
London WC2R 3AA (GB)

Impingement cooled airfoil with bonding foil insert.

An impingement cooled airfoil (10) is fabricated by diffusion bonding a pair of airfoil half-sections (12,14) together using an insert (18) which is pre-fabricated from diffusion bonding foil. The insert (18) is perforated so as to act as an impingement baffle. Axially-extending ribs (44) may be formed on the internal walls of the airfoil half-sections or on the insert to support and accurately space the insert member (18) from the internal walls so as to optimize impingement cooling.



Citation JP5214957.A [also published as]

- Biblio Description Claims Original document

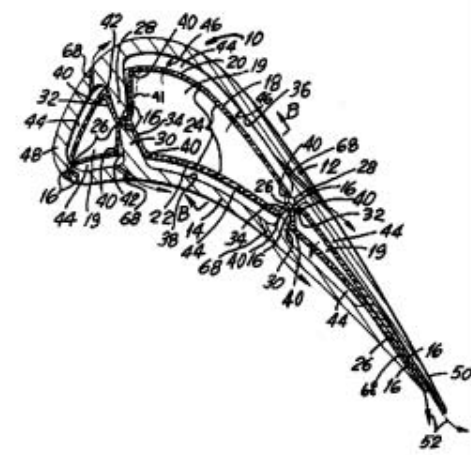
Full document: JP 5214957 (A)

(33)発明者 堀江 隆夫  
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(72)発明者 ニコラス・タムリス  
アメリカ合衆国、オハイオ州、シンシナティ、  
ロードニー・コート、7407番  
(74)代理人 弁理士 生沼 徳二

最終頁に続く

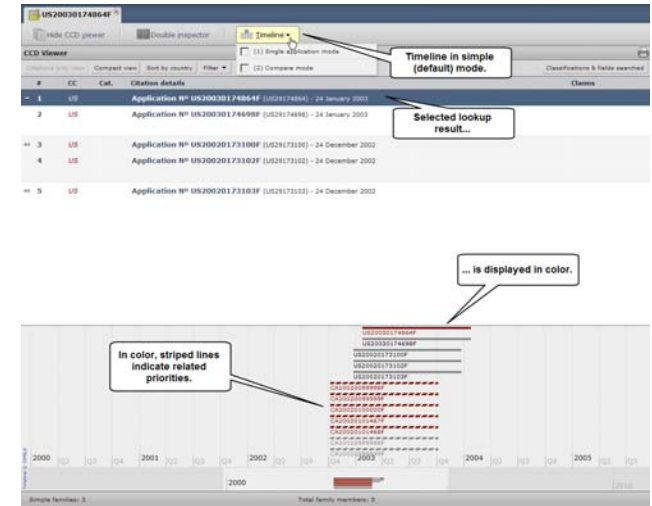
(54)【発明の名称】 接合フェイル挿入体を備えた被衝突冷却翼

(57)【要約】  
【目的】 冷却空気を高めたガスタービンエンジンの翼の製造費用を少なくする。  
【構成】 拡散接合用フェイル20、22で予め形成した挿入体18を用いて1対の翼半分12、14を拡散接合することにより、被衝突冷却翼10を製造する。挿入体は多孔24を有し衝突邪魔板として作用する。軸方向に延在する複数のリブ44を翼の両半分の内壁36、38または挿入体に形成し、これらのリブで挿入体を支持しかつ該内壁から正確に離隔して衝突冷却を最適にし得る。



# Improvements since Launch

- "Citation Only View" improvements: better sorting
- Multiple timeline views
- An improved helpfile
- Additional data: US PreGrant citation added
- Today, CCD offers access to more than 20 Patent Offices' citations
- This represents:
  - 16 million searches
  - 125 million references cited



Common Citation Document...

Trilateral - CCD

Number: EP1612402 Search examples: EP1612402, US200600044741, JP20090214944

EP20040425480

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CCD Viewer

Citations only view Group across extended family Sort by country Filter

Application	Cat.	Citation details	Claims
EP20040425480	X	US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985 Column 2, line 22 - column 2, line 23 Figure 1	1-5
EP20040425480	X	EP0270720 A1 (RENAULT [FR]) - 15 June 1988 Page 5, line 12 - page 6, line 5 Figure 1, 6	1,4-8
EP20040425480	A	EP02099337 A2 (IVECO FIAT [IT], et al) - 18 January 1989 Figure 1	1-8
EP20040425480	A	DE19714489 C1 (SIEMENS AG [DE]) - 1 October 1998 Figure 1	1-8
EP20040425480	X	DE10345154 A1 (DENSO CORP [JP]) - 22 April 2004 Page 3, paragraph 19 Figure 1	1-3
JP20090214944		JP20090214944	
JP20090214944		JP10299611 A (NIPPON SOKEN) - 10 November 1998	
JP20090214944		JP11230005 A (NIPPON SOKEN, et al) - 24 August 1999	
JP20090214944		JP2000130288 A (TOYOTA MOTOR CORP) - 9 May 2000	
JP20090214944		JP2001107776 A (NISSAN MOTOR) - 17 April 2001	
JP20090214944		JP2004011448 A (NIPPON SOKEN, et al) - 15 January 2004	
JP20090214944		JP2004124727 A (DENSO CORP) - 22 April 2004	
US20050095425		US4501246 A (BOSCH GMBH ROBERT [DE]) - 26 February 1985	
US20050095425		EP0270720 A1 (RENAULT [FR]) - 15 June 1988	

Simple families: 1 Total citations: 28

JP10299611.A (JP20090214944) [also published as]

Bibliographic data: JP 10299611 (A)

Variable delivery high pressure pump

Publication date: 10 November 1998

Inventor(s): MAKINO MASAOKI; ENOMOTO SHIGEKU

Applicant(s): NIPPON SOKEN

Classifications: International: F02M51/04; F02M59/02; F02M59/46  
European:

Application number: JP19970127937 19970430

Priority number(s): JP19970127937 19970430

Abstract of JP 10299611 (A)

PROBLEM TO BE SOLVED: To prevent a chamber in the downstream of a valve from acting as an accumulator chamber to wrongly suck fuel, and thereby display good forced feed characteristics. SOLUTION: In a variable delivery high pressure pump for pressurizing low pressure fluid in a pressure chamber to pump the fluid to a high-pressure passage, a check valve 4 is provided between the pressure chamber and a low-pressure passage 51, and a solenoid valve 6 for controlling the flow rate of low-pressure fluid sucked in the pressure chamber is arranged in the upstream of the solenoid valve. The space inside the solenoid valve 6 and a passage 74c in the downstream of the solenoid valve 6 are communicated each other through a connecting passage 75 in the solenoid valve 6.

By composing components of the solenoid valve 6, which are positioned in the space inside the solenoid valve 6 to make contact with the fluid inflowing through the communication passage 75, of materials which do not deform by the pressure

# Outlook 2012

- The main task for 2012 is the optimization of the data exchanges and the associated data processing and loading.
- The CCD end user application and functionality will continue being improved.
- A further release is planned in Q3/Q4 2012 to further react to feedback from industry and Trilateral Offices.
- KIPO and SIPO have agreed to participate in the CCD, therefore exporting the CCD fully to IP5
- More and more timely IP5 data is expected.

# Thank you for your attention!

<http://www.fiveipoffices.org/ccd>

