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# espacenet and beyond:

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the world of free patent databases on the internet

TTP and IP  
Overview of Sources  
Patent Searching  
Examples  
Conclusion



**Jane List**

**22<sup>nd</sup> October 2007**



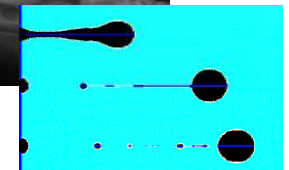
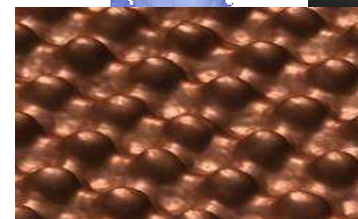
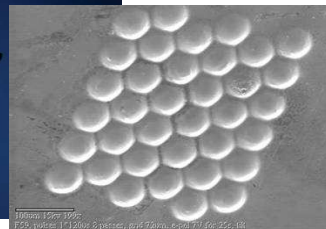
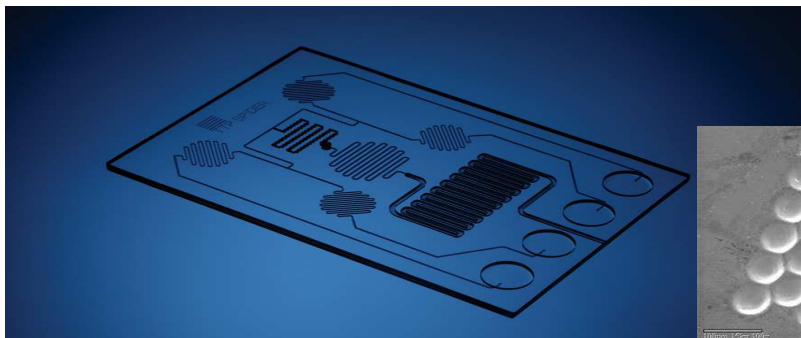
**ICIC – 2007 Sitges, Spain.**

# The Technology Partnership

[www.ttp.com](http://www.ttp.com)



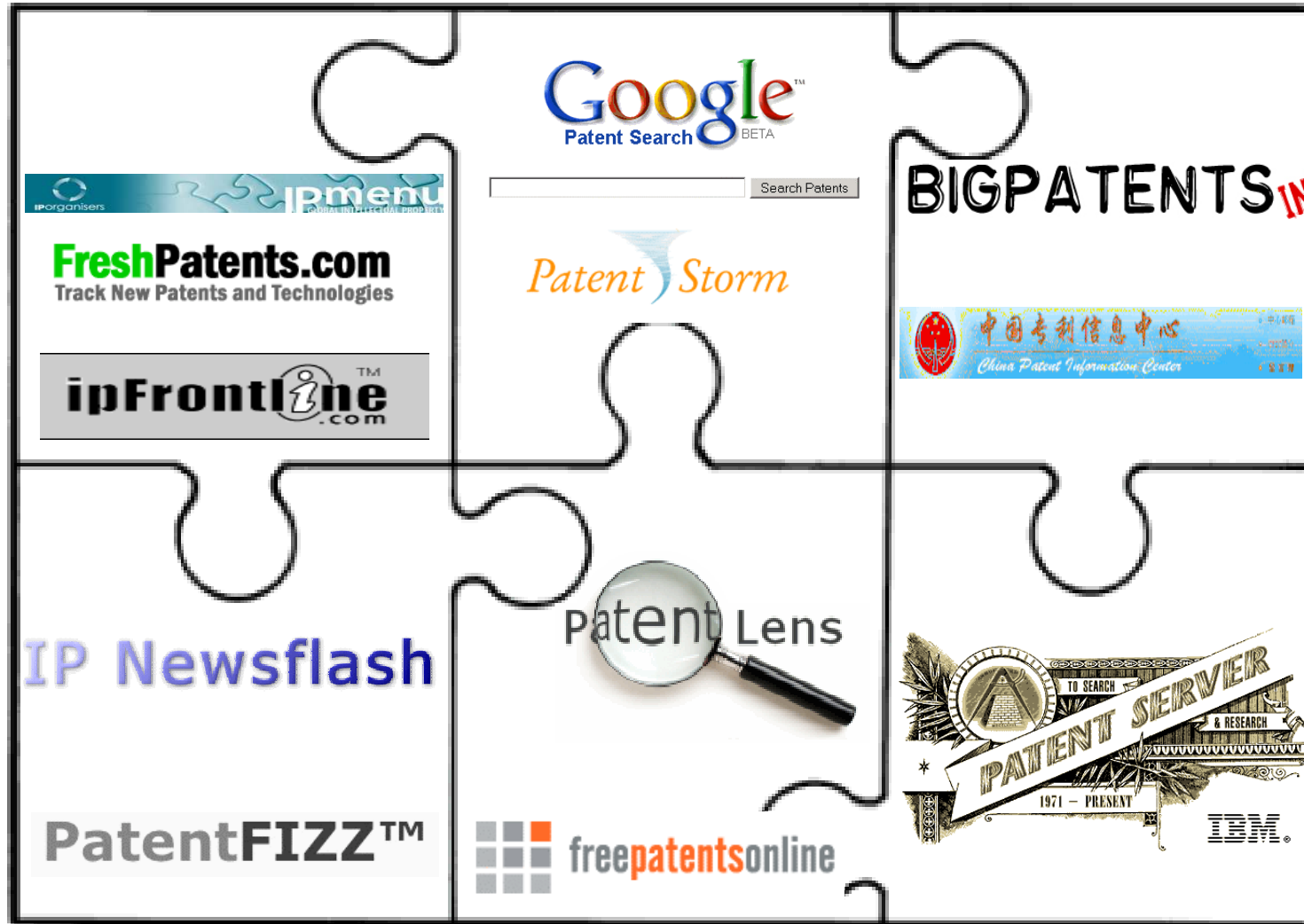
- Technology development
  - digital printing technologies
  - electronic aerosol technology
  - microfluidics
  - DAB
  - optical microstructures
- Importance of IP and strategy



# Patent issuing authorities



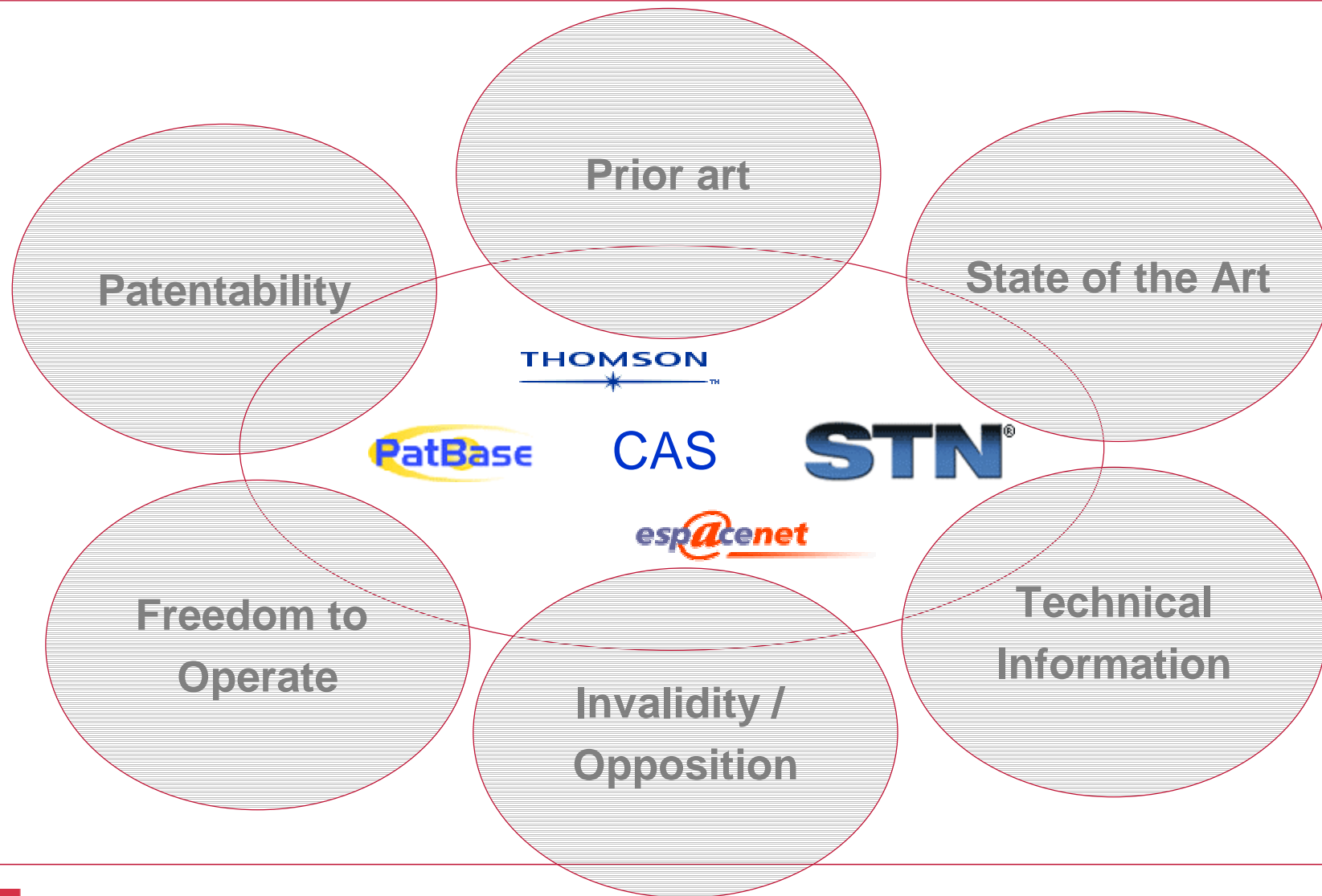
# Independent patent information portals and search engines



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# Patent searching and the professional search toolkit

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# Do patent information specialists use free sources?

## YES

### 1) Trial searches

Specific patent, author, applicant

### 2) Patent families

Legal status

### 3) File histories

### 4) Extending search

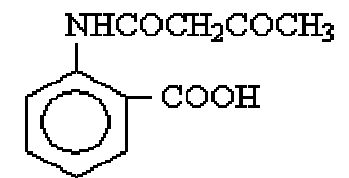
## NO

subject/technology searches

legal searches

structures

sequences



```
GCCCCGCGCCC GCCCCGCGAGG AGCCCCGCGAA G ATG CCC CGG CGC AGC CTG CAC 52
Mei Pro Arg Arg Ser Leu His
-29 -25

GCG GCG GCC GTG CTC CTG CTG GTG ATC TTA AAG GAA CAG CCT TCC AGC 100
Ala Ala Ala Val Leu Leu Leu Val Ile Leu Lys Glu Gln Pro Ser Ser
-20 -15 -10

CCG GCC CCA GTG AAC GGT TCC AAG TGG ACT TAT TTT GGT CCT GAT GGG 148
Pro Ala Pro Val Asn Gly Ser Lys Trp Thr Tyr Phe Gly Pro Asp Gly
-5 1 5 10
```

large scale patent landscaping

# 1) Trial Searches

## Classification Look-Up

IPC8	F28D15/02	(heat pipes)
ECLA	F28D15/02F	(flexible heat pipes )
USPTO	165/272	(heat pipe heat transfer characteristics)
JP FI	F28D15/02E	(using circulation type heat pipes)
JP F Term	3L106	(heat exchangers using int. heat conductive media)

## Known Applicant and Inventor

espacenet	172
surfip	137
patent lens	158
depatisnet	230
freepatents	99

Quick Search | Simple Search | IPC Search | Patent No Search | **Structured Search**

**Search Status and Summary:** [New Search](#)

You searched for : Applicant=aerogen [?](#)

<b>USPTOApps</b> : 38	<b>USPTO</b> : 45	<b>IPOS</b> : 0	<b>WIPO</b> : 31	<b>EPO</b> : 9
<b>UK-IPO</b> : 2	<b>SIPO</b> : 2	<b>CIPO</b> : 15	<b>KIPO</b> : 1	<b>TIPO</b> : 0
<b>TIPIC</b> : Searching...				

**Combined Result** | USPTOApps | USPTO | WIPO | EPO | UK-IPO | SIPO | CIPO | KIPO

## 2) Patent families - based on priorities


### DEPATISNET - ESPACENET - IPNEWSFLASH - PATENT LENS

**Bibliographic data** | Description | Claims | Mosaics | Original document | INPADOC legal status

**Publication number:** WO2004090335  
**Publication date:** 2004-10-21  
**Inventor:** JANSE VAN RENSBURG RICHARD WIL (GB); SELBY ROBERT GORDON MAURICE (GB); DUFOUR FRANCOISE FLORENCE (GB); BUCKLAND JUSTIN RORKE (GB); SOMERVILLE JOHN MATTHEW (GB)  
**Applicant:** TECHNOLOGY PARTNERSHIP (GB); JANSE VAN RENSBURG R W (GB); SELBY ROBERT GORDON MAURICE (GB); DUFOUR FRANCOISE FLORENCE (GB); BUCKLAND JUSTIN RORKE (GB); SOMERVILLE JOHN MATTHEW (GB)  
**Classification:**  
- international: *F04B43/00; F04B43/04; F04B45/047; F04B53/10; F04F7/00; F04B43/00; F04B43/02; F04B45/00; F04B53/10; F04F7/00;* (IPC1-7): F04B45/047; F04B43/00; F04B43/04; F04F7/00  
- European: F04B43/00D3; F04B43/04M2; F04B45/047; F04B53/10K; F04F7/00  
**Application number:** WO2004GB01526 20040407  
**Priority number(s):** GB20030008197 20030409

**Also published as:**  
EP1618306 (A1)  
US2006201327 (A1)  
EP1618306 (A0)  
EP1618306 (B1)  
DE602004002207T (T2)

**Cited documents:**  
US5525041  
US6164933  
WO9310910  
DE4422743

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[View list of citing documents](#)  
[View document in the European Register](#) 

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**View European Register**





### 3) Legal status checking and file history

#### USPTO: PAIR

Select New Case	20050173096
Bibliographic Data	Abandoned -- Failure to Respond to an Office Action
Transaction History	Office actions and responses
Foreign Priority	TAIWAN 09310265702-05-2004
Published documents	Links to publications
Image File Wrapper	document download
Address & Attorney/ Agent	For correspondence

#### EPOLINE: Register Plus

About this File	EP1456035
Legal Status	Request for examination
Event History	PCT data; Request for examination etc, renewal fees. With Dates
Citations	X, US5700098 Y,A, NPL, by Applicant
Patent Family	US2005078995, WO03053703
View All Documents	document download
WebRegMT	Alerts

## 4) Extend search into national databases

AUTHORITY	CLASS	TEXT	LEGAL STATUS
CA A, B	1869	1978 ABSTRACT & CLAIMS	YES
DE, DD	1877	1981 ABSTRACT 1987 DESC. & CLAIMS	YES
GB A, B	1900	A 1979 B 2002	YES
IN (EKASWA)	1995 - 2006	ASSIGNEE, TI ONLY	YES
JP A, B	1914	ENG. ABSTRACT A 1993. MACHINE TRANSLATION	YES
AU (CAMBIA) A, B	1998	OCR FULL TEXT	YES (INPADOC)

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# free patent databases: conclusions

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**Time vs Cost**  
**Content vs Search**

**Competition Innovation**



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# free patent databases: for professional search

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“But he had not that supreme gift of the artist;  
the knowledge of when to stop”.

Sir Arthur Conan Doyle.

From: The Adventure of the Norwood Butler

