

Q: What do you have regarding transistors?

A: Let's see...

Query to Mimir:

transistor

Mimir Response: 75,208 hits.

Q: Hmm, quite a few. Can you focus the search a bit more?

A: OK, let's find hits in document Abstracts.

Query to Mimir:

transistor IN {Abstract}

Mimir response: 2,221 hits.

Q: That's better. How many documents is that exactly?

A: OK, let's revert the query to find out the number of different abstracts.

Query to Mimir:

{Abstract} OVER transistor

Mimir response: 855

Q: Does that mean there are 855 different documents?

A: Not exactly: there are 855 different abstracts. Some patents have abstracts in multiple languages.

Q: Really? So there are abstracts in, say, French?

A: Sure!

Query to Mimir:

{Abstract lang="FR"} OVER transistor

Mimir response: 273.

Q: OK, let's get back to English.

A: Sure.

Query to Mimir:

{Abstract lang="EN"} OVER transistor

Mimir response: 576.

Q: OK, that's still quite a few. Can we look at the most recent ones?

A: Sure, let's search for patents from 2007 onwards.

Query to Mimir:

```
(
{Abstract lang="EN"} OVER transistor
)
IN
{PatentDocument date > 20070000}
```

Mimir response: 267

Note: the date feature of PatentDocument annotations is a number, encoded as YYYYMMDD.

Q: OK, can we look at results **from 2007 only**?

A: Sure!

Query to Mimir:

```
(
{Abstract lang="EN"} OVER transistor
)
IN
{PatentDocument date > 20070000 date < 20080000}
```

Mimir response: 207

Q: OK, can we find the titles of these patents?

A: Sure!

Query to Mimir:

```
{InventionTitle lang="EN"} IN
(
{PatentDocument date > 20070000 date < 20080000}
OVER
(
{Abstract lang="EN"} OVER transistor
)
)
```

Mimir hits: 207.

Q: and who are the authors?

Query to Mimir:

```
{Inventor} IN
(
{PatentDocument date > 20070000 date < 20080000}
OVER
(
{Abstract lang="EN"} OVER transistor
)
)
```

Q: Thank you!