



IP OVERVIEW
Competitive Panorama

NANOPARTICULES FOR BIO-IMAGING



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“IP Overview” – Nanoparticles for bio-imaging

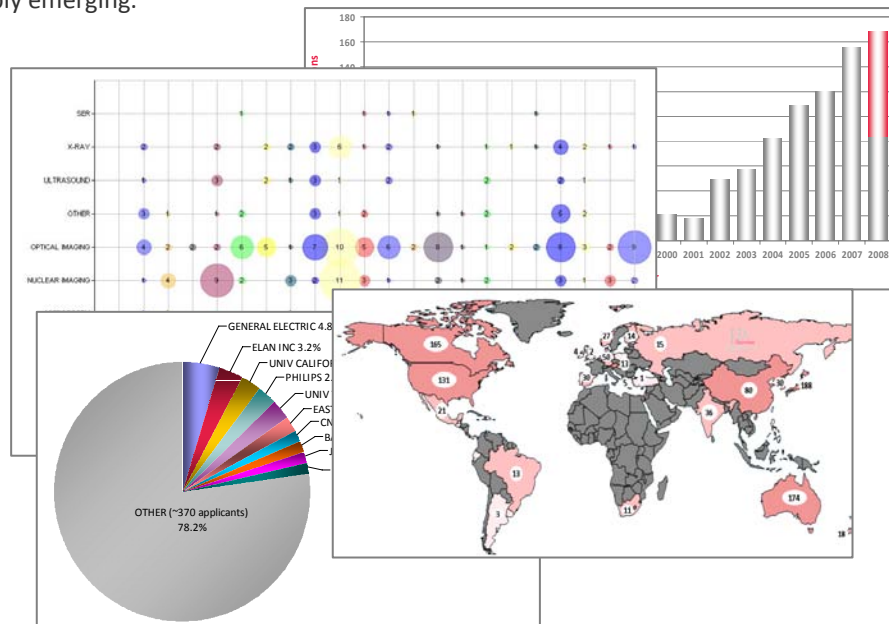
An emerging sector

Patent global landscape as a new tool to decipher market trends

In the current development of imaging technologies, new contrast agents and tracers are necessary to improve visualization. Nanoparticles appear to have the highest potential because they can combine multiple properties such as magnetic, luminescent, radioactive and even therapeutic properties.

At present, three imaging nanoparticles have been approved for commercialization and biomedical diagnostic use. Two have been developed by Amag Pharmaceuticals (treated separately in this study) and one by Bayer. Market segments are therefore still to conquer which resulted in a very high research and patenting activity in the last years.

Institutional applicants have a specific positioning on the sector, while only important industrial structures of the imaging field build up their portfolio notably in the US and Europe. On specific segments, Asian applicants are noticeably emerging.



The present report analyses the patent environment and notably highlights the various types of nanoparticles (magnetic, quantum dot, ...) that have been developed and their potential applications in bio-imaging. IP strategies of the different players seem to show an underlying trend to claim nanoparticles combining multiple properties and covering a large range of applications. In some cases, this situation can act as a blockage for future filings.

In a sector where more than 800 patents and patent applications have been filed, this « IP Overview – Nanoparticles for bio-imaging » provides you with a comprehensive panorama of the intellectual property landscape and helps you:

- Position your company's R&D and IP Portfolio
- Identify key inventors and key players involved in the development of specific nanoparticles
- Understand the collaboration networks and their dynamics



Generalities

Brief outline of the technology

Brief outline of the market

Patent Query

Evolution and location of patent filings

Evolution of patent filings (1989-2008)

Map and evolution of priority filings

Map and evolution of extensions

Industrial & institutional filings over time

Evolution of the number of applicants

Analysis of patent applicants

Main applicants on the entire period (1989-2008)

Main applicants / affiliates

Part of the portfolio hold by the 10 first applicants

Breakdown of filings of the main institutional / industrial applicants over time

Main applicants in the last 5 years (2003-2008)

Main co-filings between applicants

Analysis of inventors

List of the main inventors

Main research teams

Emerging inventors

Topics of patent filings

Breakdown of the portfolio

1/Imaging techniques

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

2/Properties of NP

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

Focus on biodegradable NP

2.1/Types of magnetic NP

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

2.2/Types of luminescent NP

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

3/Specific components of the NP

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

4/Specific targets of NP

Evolution of filings

Positioning of institutional applicants, industrial applicants and inventors

List of the most cited patents and patent applications

Conclusion

Appendices

For a deeper analysis ...

... 3 months full access to the patent database :

Interactive graphs and tables

Access to the patent texts

... we can provide you the patent list corresponding to:

A specific applicant portfolio

Patents filed a precise year

Patents filed in a specific country

Patents concerning a specific category

...

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