



## **BARDEHLE PAGENBERG Team**

### **Cristina Muñoz Menéndez**

**Dr. (PhD), M.Sc. (Science and Technology of Materials)**



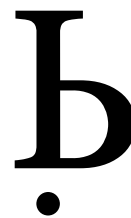
**European Patent Attorney**

Location Barcelona

Languages: English, French, Spanish

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Cristina Muñoz Menéndez' work focuses on patent drafting and prosecution before the European Patent Office and the Spanish Patent and Trademark Office in a variety of technical fields including telecommunications, mechanical engineering, renewable energy, and automotive technology. She also performs patentability and freedom to operate searches and prepares opinions regarding risk of infringement. Cristina Muñoz Menéndez has also supported our team in infringement and nullity proceedings in the area of telecommunication technologies.

During several years of international academic and scientific research experience, Cristina Muñoz Menéndez has acquired broad knowledge in physics which enables her to work in many different technical areas.



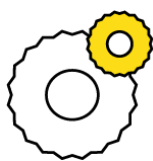
## Legal Areas

Patent Prosecution

Oppositions and Nullity

Unitary Patent

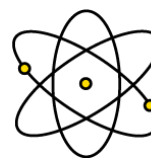
## Industries



Mechanical Engineering



Telecommunications



Physics



Automotive



## Publications

“Disentangling local heat contributions in interacting magnetic nanoparticles”, Physical Review B 102 (21), 214412 (2020)

“Thermodynamics of interacting magnetic nanoparticles”, Physical Review B 101 (22), 214412 (2020)

“Towards improved magnetic fluid hyperthermia: major-loops to diminish variations in local heating”, Physical Chemistry Chemical Physics 19 (22) 14527 (2017)

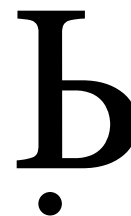
“Distinguishing between heating power and hyperthermic cell-treatment efficacy in magnetic fluid hyperthermia”, Soft Matter 12 (43), 8815 (2016)

“The role of size polydispersity in magnetic fluid hyperthermia: average vs. local infra/over-heating effects”, Physical Chemistry Chemical Physics 17 (41), 27812 (2015)



## Lectures & Seminars

Cristina Muñoz has given and contributed to presentations on magnetic nanoparticle hyperthermia at international and national conferences.



## Curriculum Vitae

|                     |                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------|
| <b>2018 - today</b> | Patent engineer at BARDEHLE PAGENBERG in Barcelona, Spain                                    |
| <b>2016 - 2017</b>  | Research stay of nine months at University of York, U.K.                                     |
| <b>2014 - 2018</b>  | PhD in Materials Science; Universidade de Santiago de Compostela, Spain                      |
| <b>2013 - 2014</b>  | Master of Science and Technology of Materials; Universidade de Santiago de Compostela, Spain |
| <b>2012 - 2013</b>  | Erasmus Year at the Université du Maine, France                                              |
| <b>2009 - 2013</b>  | Bachelor's Degree in Physics; Universidade de Santiago de Compostela, Spain                  |