

Patent Landscaping & Evidence-Based IP Research Consulting & Contract Services

Dr. Mateo Aboy & Dr. Kathleen Liddell
Centre for Law, Medicine, & Life Sciences (LML)

- ▶ Automated Patent Search Algorithm Development
- ▶ Patent Search Reports
- ▶ Patent Landscape Studies
- ▶ Empirical Legal Studies (Empirical Analysis of IP Decisions)
- ▶ Computational Data Science & IP
- ▶ IP Informatics & Computational Analytics

– Guidelines prepared for the World Intellectual Property Organization (WIPO):

- ▶ “Patent Landscape Reports (PLRs) support informed decision-making, and are designed to efficiently address the concerns associated with making high stakes decisions in various areas of technology, increasing the related degree of confidence. For many years decision-makers operated based on personal networks and intuition. With the institution of patent analytics, and PLRs, it is possible for these critical decisions to be made with data-driven, evidence-based approaches that deliver informed choices, and mitigate the associated to the decision risks.
- ▶ The insight gained from the preparation of a patent landscape report can be applied to almost any organization engaged in the evaluation of technology, and its impact on society. Government agencies, as well as private enterprise can gain valuable perspective on a developing, or well-established field by generating a PLR.”

- Patent Search

- ▶ Development of search strategy & search algorithm; generation of search results
- ▶ Deliverables: Search Results Report (spreadsheet with patents documents including their application numbers, titles, abstract, independent claim, current assignee, and family count)

- Patent Landscape

- ▶ Development of search strategy & search algorithm; generate of search results & patent analytics
- ▶ Deliverables: Patent Landscape Summary Report (document including the results of the patent search and patent landscape analytics including patent activity per year, top patent owners, top patent classes, patent citation analysis, and survivorship rates)

- Empirical IP Legal Study

- ▶ Study design; generation of results; presentation of results; report/publication
- ▶ Deliverables: Study Report (document or article manuscript reporting the results of the evidence-based/empirical study)

- 1) Methodology Reference

- ▶ Bubela, “Patent landscaping for life sciences innovation: toward consistent and transparent practices” Nature Biotech, Vol 31, Num 3, 2013
- ▶ WIPO; “Guidelines for preparing patent landscape reports”

- 2) Landscape Analytics

- ▶ Analysis of Patent Activity Per Year
- ▶ Top Patent Owners (Assignees)
- ▶ Combined Citation Analysis (Forward & Backward Citation of Top Assignees)
- ▶ Analysis of Legal Status (Active vs. Expired)
- ▶ Allowance Rate (Patent Applications vs Granted Patents)
- ▶ Top Patent Classes
- ▶ Patent Term Analysis & Survivorship Rates
- ▶ Estimated Expiration Dates of Patents
- ▶ Concept Landscaping

- Contract

- ▶ Administered by Cambridge Enterprise (CUPS)
- ▶ CUPTS Information: <https://www.enterprise.cam.ac.uk/who-we-are/>

- Schedule of Fees

- ▶ Patent Search (PS1): £6000
- ▶ Patent Search (PS2): £10000
- ▶ Patent Landscape (PL1): £14000
- ▶ Patent Landscape (PL2): £18000
- ▶ Patent Landscape (PL3): £60000
- ▶ Empirical Patent Study (PL4): £180000

- Schedule of Fees (Nonprofit Entities & Public Interest)

- ▶ The fees above are reduced by 50% for academic, nonprofit, and other private entities if the results can be publicly disseminated by the LML after 6-12 months.

– Step 1. Contact the LML

- ▶ Email: LML@law.cam.ac.uk
- ▶ Subject Line: “Patent Study Request”
- ▶ Body: Briefly explain the purpose of the patent search. In particular, state the technical field for which the patent search or patent landscape is desired and any information you may have related to the inclusion (and exclusion) criteria.

– Step 2. LML & Client Meeting: Study Definition (60 min)

- ▶ Overview of the Process & Timeline
- ▶ Determination of the scope of work and fees
- ▶ Determination of the search inclusion and exclusion criteria

– Step 3. LML & Client Meeting: Search Strategy (60 min)

- ▶ Presentation and discussion of the search strategy & preliminary search results

– Step 4. LML & Client Meeting: Presentation of Study Results (60 min)

- ▶ Presentation of the results of the patent study & electronic delivery of the report