

Prova A

A. Il candidato/la candidata descriva quali sono i requisiti che deve avere un'invenzione per essere tutelabile con un brevetto

B. Il candidato/la candidata illustri il significato della riservatezza nell'ambito della gestione della proprietà intellettuale

C. By means of Espacenet (<https://worldwide.espacenet.com/>), select the patent documents concerning the 'Next generation sequencing' technology, otherwise known as 'High throughput sequencing'.

0) write the query aimed at producing a dataset in which each keyword should be present in at least one attribute (title/abstract).

1) using the results' list determine which are the three most frequently assigned IPC/CPC classification codes (just indicating the subclass level) and provide the definition of each code using the Espacenet classification search tool.

2) select the results of the dataset looking for applicants where at least one university is included:

3) using the results of 2) download a bar diagram aimed at listing the country of residence of the most representative players. Are there players whose country of residence is Italy?

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PROVA B

- A. Il candidato/la candidata descriva il significato di "novità" e di "industrialità" nell'ambito della tutela brevettuale
- B. Il candidato/la candidata illustri cosa disciplina il Regolamento per la gestione e valorizzazione della Proprietà Industriale sui risultati della ricerca
- C. A company requires a patent intelligence concerning the solders defined as "active solders" or "flux-free solders" suitable to produce welding without using lead (lead-free). To such aim the analysis may be performed without including IPC/CPC classification codes in the search query to be run on Espacenet (<https://worldwide.espacenet.com/>). Care should be taken so that the relevant keywords might be present in either the patent title or the abstract.
- 0) write the query.
- 1) How many patent documents can be retrieved?
  - 2) modify the query used earlier to select the results including at least one university among the applicants.
  - 3) Produce a list including the TOP10 applicants.
  - 4) Indicate the country/ies of residence of the applicants.

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Prova C

- A. Il candidato/la candidata descriva l'obiettivo di una ricerca di anteriorità
- B. Il candidato/la candidata descriva come è disciplinata la titolarità dei Diritti di Proprietà Industriale sui risultati della Ricerca Libera all'Università di Udine
- C. The core business of the danish company 3SHAPE AS is focused on applications of the technology defined as '3D printing', alternatively defined as 'Additive Manufacturing'. The company would extend the scope of its R&D initiatives considering the production of human organs, namely: kidney, liver and pancreas.

0) By means of Espacenet (<https://worldwide.espacenet.com/>) you are required to first write a query aimed at selecting the patent documents dealing with 3D printing/additive manufacturing, regardless of the organ. Take care that the relevant keywords might be looked for either in the title or in the abstract:

1) from the list of documents produced, determine which are the TOP5 representative IPC/CPC classification codes. Using the classification search tool specify the technical improvement corresponding to each of the TOP5 IPC/CPC classification codes.

2) modify the query so that each of the three organs can be analysed individually and write the query corresponding to each case.

3) which of the three datasets shows the highest number of records found?

4) Is it possible to select, for each organ, patent documents where at least one university is mentioned as applicant or co-applicant? If so, download from Espacenet a list of the results in Excel format.