Student’s name: …………………………………………………………………………………………………………………………………

**Worksheet 2
Patent Search**

**Module 3: Intellectual Property**

**Scenario:**

A shipping company would like to improve its logistics management. You’ve been asked to perform a search for inventions related to radio frequency identification(RFID) tags used to track the containers.

**Instruction:**

**Step1:** Select properly database.

In a national patent registry, e.g. [Portugal](https://servicosonline.inpi.pt/pesquisas/main/patentes.jsp?lang=EN), [Poland](https://ewyszukiwarka.pue.uprp.gov.pl/search/simple-search?lng=pl), [Thailand](http://patentsearch.ipthailand.go.th/DIP2013/simplesearch.php).

In a regional patent registry, e.g. [ESPACENET](https://worldwide.espacenet.com/patent/)

In an international specialized database, e.g. [PATENTSCOPE](https://patentscope.wipo.int/search/en/search.jsf)

Based on the example databases, if you want to search invention related to “RFID” in the world, Which database will you choose?

Answer:...................................................................................................................................................................................

**Step2:** Suppose you decide to search with [PATENTSCOPE](https://patentscope.wipo.int/search/en/search.jsf).

2.1 Goto PATENTSCOPE webpage. There are 5 modes to conduct a search, Simple Search is selected by default.

2.2 There are 8 predefined search fields, Select *Front Page* (default) field.

**hint:**

1. Frontpage: the search criteria you entered in this field will be searched on the front page of the document (title, abstract, names, and numbers).

2. Any field: the search criteria you entered in this field will be searched in any field of the document.

3. Full-text: enter your query in this field if you are interested in full-text.

4. English text: the search criteria you entered in this field will be searched in texts in English.

5. ID/Number: enter publication number, filing number, etc.

6. IPC: enter any International Patent Classification code.

7. Names: enter your search in this field to look for the name of an inventor, an applicant, a company, etc.

8. Dates: enter any date in this field such as filing date, publication date, etc.

2.3 Type *RFID* in **search item…** box, then click **Search** button. This search query will retrieve over 70,000 results, only single RFID keywords is not enough, many of which are not related to the scenario.

What keywords do you think are appropriate for this situation?

Answer:...................................................................................................................................................................................

**Step3:** Try to use Advanced Search. For search with more than one keyword.

3.1 Select **Search** menu and then select **Advanced Search**.

3.2 In Advanced Search mode you can customize your search queries using an unlimited number of terms. For this situation the keywords are RFID, tag and container, type *RFID tag container* in **Search item…** box (equivalent query with *RFID AND tag AND container*), and then click **Search** button. This search query will retrieve over 100,000 results, many of which are not related to the scenario.

3.3 Try to query with *EN\_TI:(RFID AND tag AND container)* and then click **Search** button. This query uses EN\_TI: field code for query only English Title field, therefore it retrieves only 200 results but when looking at the details, some result also not related to the scenario.

3.4 Try again to quey with *EN\_TI:("RFID tag" BEFORE100 container) AND AD:[2015 TO 2020]* and then click **Search** button. This search query uses field codes, a Boolean operator, an operator BEFORE, and a range operator.

* The field codes are EN\_TI: and AD: for English Title and Application Date respectively.
* The Boolean operator AND is used to ensure that all search terms are included in the search results.
* The operator BEFORE allows users to define the part of the description the search should be carried out: only documents containing ”container” positioned 100 words after ”RFID tag” will be retrieved.
* The range operator TO is used to define a range of publication date values.

This search query will retrieve only 17 results; most of which are related to the scenario.

**Assignment:** User [Advance Search of PATENTSCOPE](https://patentscope.wipo.int/search/en/advancedSearch.jsf) database to find out,

How many patents are application filed by *Omron* and related to *Blood Pressure Monitor*?

Answer:.......................................................................................................................................................................................

**Hint:**

For more information about operators available in the PATENTSCOPE search service, take a look at:
<https://patentscope.wipo.int/search/en/help/querySyntaxHelp.jsf>

More information about field codes can be found at:
<https://patentscope.wipo.int/search/en/help/fieldsHelp.jsf>