

# ROADMAP FOR PATENT CREATION

## PARTS OF PATENT DOCUMENT

### Lecture 11

A very warm welcome in the first module of week 3 of the Course, roadmap for patent creation, titled “Parts of patent document”

In this module we will go through briefly which are the different parts of the patent document So let us start. So check this This is a first page of the patent document All bibliographic information you will find it on this first page. So it says United States Crawford et al Then patent number Date of patent So this data gives you information as follows This patent is filed in USPTO office The main or principal inventor is Crawford The patent number is 5726730 And date of patent is 10 March 1998

Then next it shows information as Optical equivalents of fibre optic face plates using reactive liquid crystals and polymers Inventors Gregory Crawford Thomas Louis Assignee is Xerox Corporation Appl no 769388 It is filed on 19 Dec 1996 International classification is G02F 1/13 US classification is 349/196 Thus It is rich source of information such as

What is the title of the invention?

Who is the inventor?

Who is the assignee?

On which date the patent is filed?

Which is the IPC class related to this patent?

So the title of invention is Optical equivalents of fibre optic face plates using reactive liquid crystals and polymers Thus you received information that Gregory from Xerox has invented this The applicant is Xerox Then further It lists down reference cited in this patent document Further it gives information about who are the primary examiners, assistant examiners Attorney, agent or firm Thus we received information about patent application details, inventorship and ownership What is prior art related to this patent and who are patent office examiners as well as who have drafted this patent?

In Indian patent we don't get information about the patent office examiners however all other bibliographic information you will get from the first page from the any patent document filed in any country So this is uniform system to draft a patent document along with the bibliographic information mentioned above, the following information also you will see on the first page Abstract No of claims No of drawings And one drawing Now what is the structure of the patent documents It will contain parts as

Title Field of invention Background Object of the invention Summary of the invention drawings Detailed description of invention claims Abstract There are certain rules to be remembered related to this document and the parts What are these rules or guidelines Please see Title As per section 10 of the Indian Patents Act, 1970 It is expected that title will give broad idea about the invention This is the heading on the first page of the document It must Short and specific and the length may be 500 characters It is expected it is to be easily easily searchable by using a few key words

Then the next is field of the invention This a brief information about the broad technology domain in which the invention falls Next is background Here it is expected to give the prior art of the invention State the problem to be solved Then give the information about the earlier failures if any related to this invention that is other inventors tried but could not succeed Then substantiate it by citing relevant patent Then the next is Object of the invention. Here the information is given about the object of the invention So the list of the objects which are considered is mentioned here In other words it gives the information about what problems were solved which were there in the prior art Thus it gives clear idea about the differences between the invention and the related prior art Moving further it gives The summary of the invention So this the brief about the solution provided by the invention to problem

Then the next is drawing This is another most important part of the patent document There are certain rules and guidelines to draw drawings in patent document The drawings provide information about the part. Machie or like which is the subject matter of the invention Then each part in the drawing is presented by the particular number Next part of the patent document is detailed description Here the invention is described in details The drawings are explained very elaborately The best method of performance if any is given here If any variety of composition are necessary to explain then this explanation or various examples of composition are mentioned here The best method of working is expected to be disclosed here

The next is claims part It is the heart of the patent It defines the legal scope of the patent document It is expected that the description which is disclosed must be covered through the claims The claim must cover all the embodiments of the invention for which the assignee seek protection and monopoly in the market Claim can be as broader as necessary

- These claims must define the matter for which protection is sought”

Claim is expected to be clear and concise” Claim must explain technicalities and not the advantages

The last part of the patent document is abstract The abstract must describe the invention in terms with the broadest claim It gives concise **summary of the invention** The word limit is 150 It is many times broadest claim

Thus the patent document starts with bibliographic information and ends with abstract This is a standard format of the patent document So patent may be drafted by any attorney in any country this format of patent document is standard So to summarise the patent document contains the parts as

- a) **Bibliographic information**
- b) **Title**
- c) **Field of invention**
- d) **Prior art**
- e) **Problem to be solved**
- f) **Object of the invention**
- g) **General statement of invention**
- h) **Detailed description of invention with reference to drawing , if any**
- i) **Best method/ example of working of the invention**

- j) **Statement of claims**
- k) **Drawings and**
- l) **Abstract**

Now after knowing this structure of the patent document is it possible to do small exercise Please check the reading material Here one patent document is hosted Please take this patent document And find out

What is the field of the invention?

Who is the inventor?

Who is the assignee?

Then what is the IPC classification

Then what is the title of the invention

When the patent is filed

So proceed for this small exercise See you in the next session on “ Terminologies and codes used in a patent document”

Thank you