

The European patent system



Contents

- § EPC
- § PCT
- § Granting procedure at the European Patent Office

European Patent Office

Optional

The patent system yesterday and today

§ Senate of Venice, 1474

"Any person in this city who makes any new and ingenious contrivance, **not** made heretofore in our dominion, shall, as soon as it is perfected so that it can be used and exercised, give notice of the same to our State Judicial Office, it being forbidden up to 10 years for any other person in any territory of ours to make a contrivance in the form and resemblance thereof".



Today:

- New to the world
- Up to 20 years of protection
- Publication
- Incentive to innovate and to share knowledge

European Patent Office

The role of the patent system

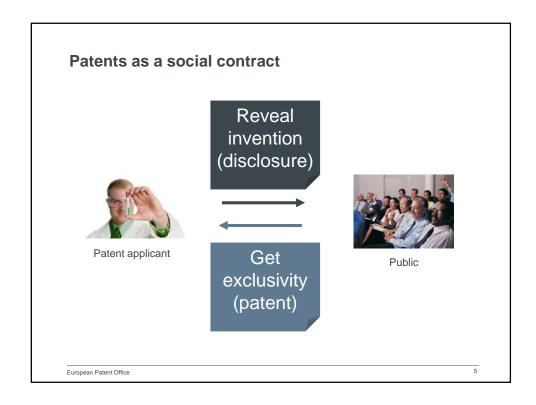
- § To encourage technological innovation
- § To promote competition and investment

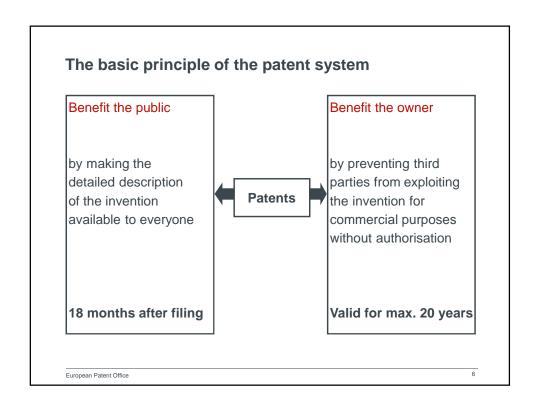


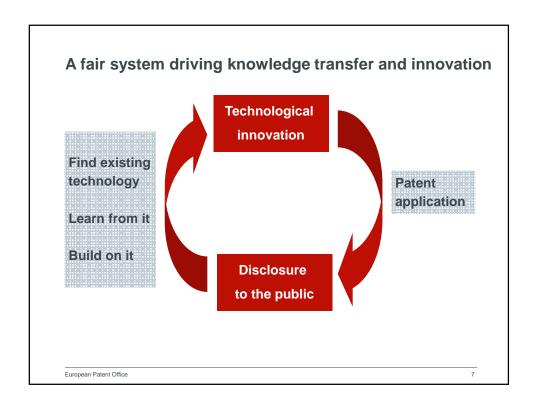
- § To provide information on the latest technical developments
- § To promote technology transfer

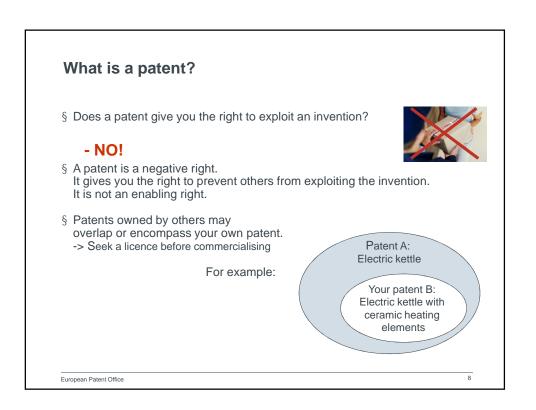












Patentability

Patents are granted for inventions in all fields of technology



To be patentable, inventions must

- § be new
- § involve an inventive step
- § be industrially applicable

They must relate to a product, process, apparatus or use.

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Excluded from patentability under the EPC1)

- § Discoveries
- § Scientific theories
- § Mathematical methods
- § Computer programs
- § Aesthetic creations
- § Business methods
- § Methods for playing games
- § Methods for performing mental acts
- § Presentations of information

¹⁾ See Article 52 EPC and the case law of the boards of appeal.

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If claimed

"as such"

STOP

Exceptions to patentability as defined by the EPC1)

§ Plant or animal varieties



- § Inventions whose commercial exploitation would be contrary to "ordre public" or morality (e.g. processes for cloning of human beings)
- § Methods for treatment of the human or animal body by surgery or therapy and diagnostic methods

1) See Article 53 and Rule 28 EPC.

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Patents and other IP rights

Legal right	What for?	How?	
Patents	New inventions	Application and examination	
Copyright	Original creative or artistic forms (literary texts, music)	Exists automatically	
Trade marks	Distinctive identification of products and services	Use and/or registration	Goo
Registered designs	External appearance	Registration	
Trade secrets	Valuable information not known to the public	Reasonable efforts to keep secret	(











One product = multiple patents and other IP rights



1 500 to 2 000 patents

Data-processing methods, semiconductor circuits, chemical compounds, etc.

Registered design

Shape of phone

Registered trade Brand name, start-up tone

marks

Copyright

Software, ringtones and

images

European Patent Office

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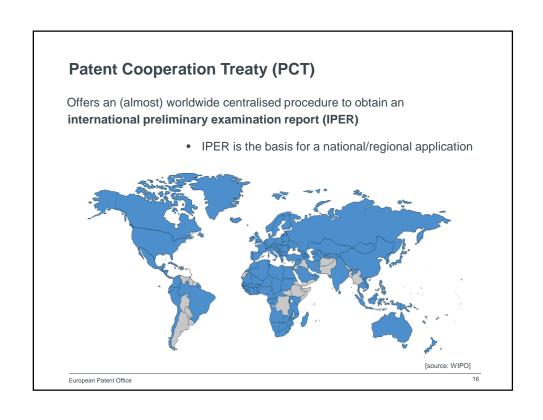
§ EPC

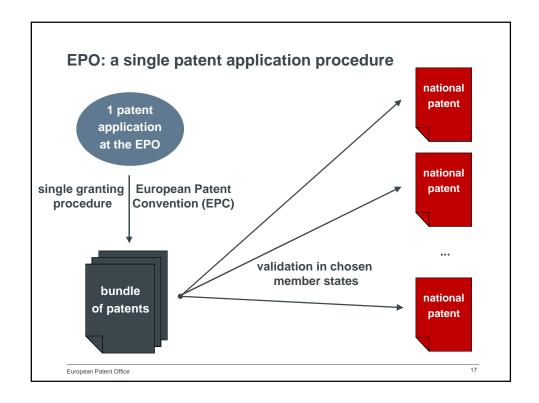
§ PCT

§ Granting procedure at the European Patent Office

Patents – territorial rights § A patent provides protection in the country where it was granted • One application to be filed in every country where protection is sought MANY DIFFERENT PATENT SYSTEMS!

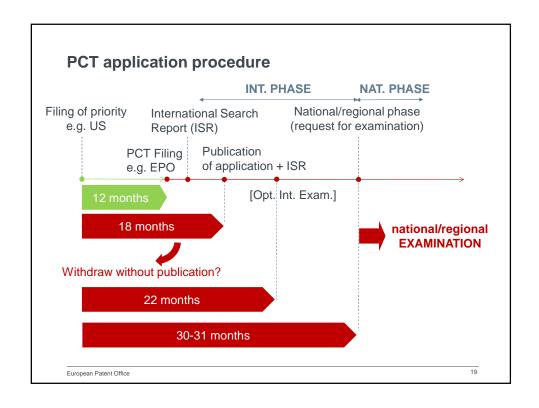
MANY DIFFERENT LANGUAGES!

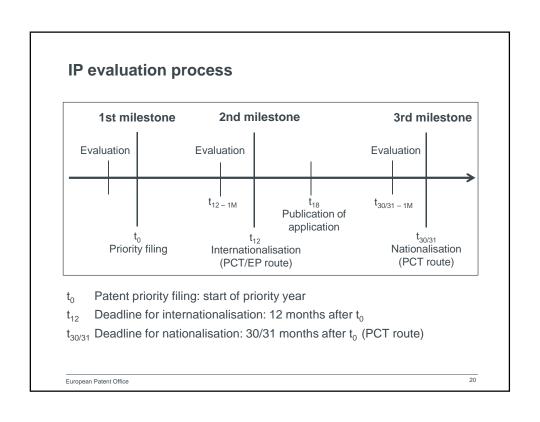




Patent Cooperation Treaty (PCT)

- § International treaty which provides a unified procedure for more than 140 countries
- § Search/examination is carried out by national/regional offices acting as International Search/Examination Authority (ISA/IPEA)
- § Result of the procedure is not a patent, but an International Preliminary Examination Report (IPER)
- § IPER is the starting point for a further national/regional application

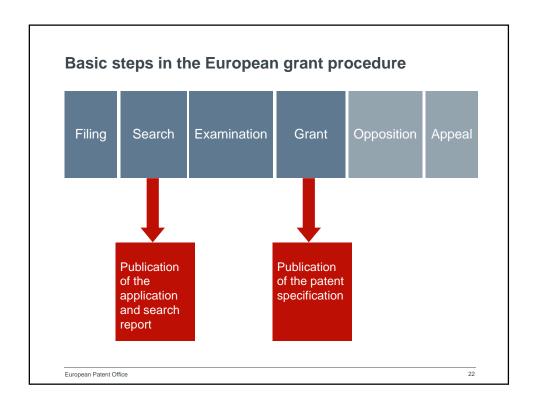




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Filing



- § The applicant prepares a description of the invention, one or more claims and (optional) drawings.
- § The application is filed online, by fax or by post.
- § The patent office checks the documentation for compliance.
- § A date of filing is allocated.

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Search



- § Examiners search for the state of the art at the date of filing.
- § They search in databases containing millions of patent and non-patent documents.
- § They use the results of the search to determine whether an invention is new and involves an inventive step.
- § They then issue a search report and a preliminary opinion on patentability.

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Publication



- § Patent applications are published on Espacenet, 18 months after the date of filing (or earliest priority date).
- § The search report is also published.
- § Third parties can submit observations at any time prior to grant.

Over 90 million patent documents accessible to the public on epo.org/espacenet

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Examination



- § Applications are examined by a panel of three expert examiners.
- § The examiners check that the scope of protection is limited to what is actually patentable.
- § They take into account the search report and the requirements for patentability of the EPC.

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Outcome



- § If the requirements of the EPC are met, the patent is granted.
- § If not, the application is refused (with the possibility of appeal).
- § All granted European patents are published.



For information on the legal status of applications go to epo.org/register

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Opposition



- § Any person may oppose a European patent within nine months of its publication.
- § In 70% of opposition decisions, the patent is upheld either as granted or in amended form.

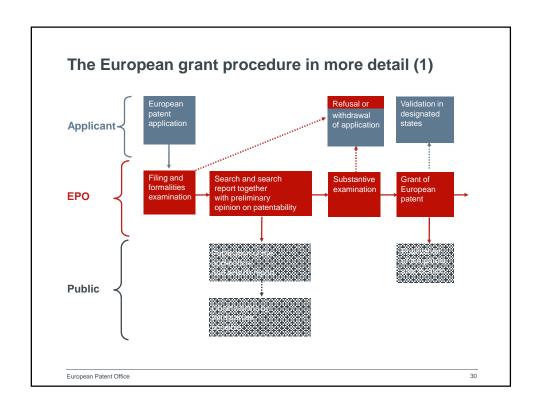
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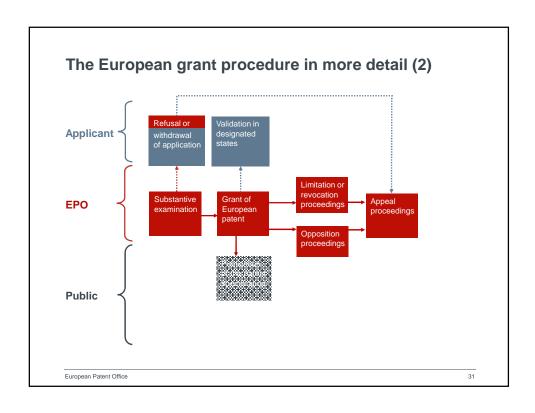
Appeal

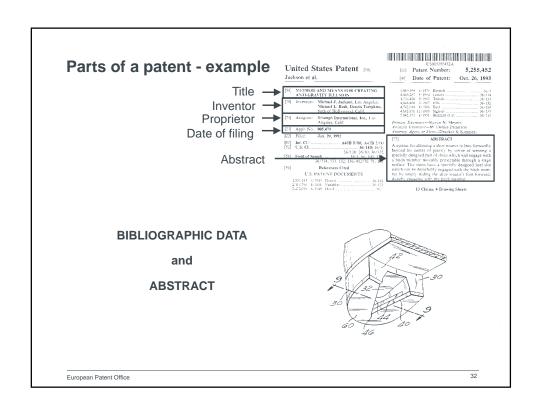


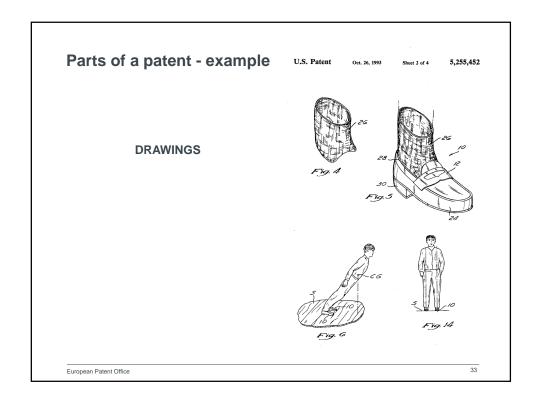
- § Appeals against decisions taken during grant and opposition proceedings are decided on by the EPO's independent boards of appeal.
- § They can be filed within two months after the date of notification of the decision.
- § The grounds for appeal must be provided within four months of that date.

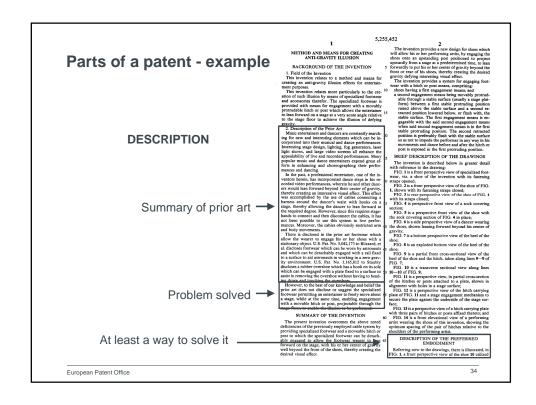
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Parts of a patent - example A federing in TiC. It is last been found that the property of the patent is designed and patent is designed an

The public can use patent documents to § find out what technology already exists and build on it § keep track of what other inventors and companies are doing § avoid infringing other people's patent rights § check out where an invention is patented, and where it is not



Key facts about Espacenet

§ Most visited area of our website, with around 20 million visits every year

Espacenet

- § A worldwide collection of patent data
- § For beginners and experts
- § Automatic translation of documents between English and 31 other languages, including Chinese, Japanese, Korean and Russian.

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Time to watch an online video!



Watch the highlights of the European Inventor Award 2016



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Thank you for your attention!

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