Basics in Intellectual Property and Knowledge transfer

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• What is technology transfer?
• Why does a university transfer technology?
• How can you be involved in technology transfer?
• What is a patent?
Technology transfer is a flux of technology and knowledge from public and private research bodies to industry structured in a specific time and a specific channel.

Transition from a manufacturing society to a knowledge-based society.
Universities mission

Education

Research

Third mission

Scientific entrepreneurship
Contract research
Technology licensing
Conferences
A technology transfer office is normally in charge of supporting the following process:
• Ownership of the inventor (i.e. Italy, Sweden), because the inventor is important

• Ownership of the institution (i.e. USA, Germany), because the intellectual and logistic ecosystem is important

The everyday situation is a mixed model
Technology disclosure

Ownership
Inventorship
Patentability
Application
Exploitation plan
• Technical solution to a technical problem
  • Novelty
  • Inventive step
  • Industriability
Technology disclosure
Patent committee
Italian patent application
PCT procedure
National phase
Commission Regulation(EC) No. 772/2004 of 27 April 2004 on the application of Article 81(3) of the Treaty to categories of technology transfer agreements:

- patent licensing,
- know-how licensing,
- Software copyright licensing

or a combination thereof where part of the risk associated with the exploitation of the technology remains with the assignor, in particular where the sum payable in consideration of the assignment is dependent on the turnover obtained by the assignee in respect of products produced with the assigned technology, the quantity of such products produced or the number of operations carried out employing the technology;

Most applied contracts:

- transfer/licensing contracts,
- material transfer agreements
- non disclosure agreements
Transfer/licensing contracts

- Lump sum and royalties
- Know how, patent application, patent
- Duration
- Market
- Countries
Material transfer agreement

- Tangible materials
- Duration
- Research results ownership
Non disclosure agreement

- Confidential information
- Duration
- One way or two way