

Patent Analysis in U-Multirank

INCENTIM has extracted patent indicators from the PATSTAT database (April 2013 edition). Patent indicators are provided for all U-Multirank institutions that have applied for patents in the period of 2001 until 2010. EPO and USPTO grants are extracted, with counts on the level of patent families. For the identification of patents by institutions, keyword searches were performed on harmonized patent applicant names in the EEE-PPAT table (<http://www.ecoom.be/EEE-PPAT>). Keywords included the original names provided, name and spelling variants, as well as names of known TTO offices of these institutions. For the field-based patent indicators, the number of patent families were broken down in three sub-fields, based on existing technology classification schemes:

- Electrical engineering is a main class in the Fraunhofer technology classification, covering the following subclasses: Electrical machinery, apparatus, energy; Audio-visual technology; Telecommunications; Digital communication; Basic communication processes; Semiconductors. The subclasses Computer Technology and IT Methods for Management were excluded.
- Mechanical Engineering is a main class in the Fraunhofer technology classification, covering the following subclasses: Handling; Machine tools; Engines, pumps, turbines; Textile and paper machines; Other special machines; Thermal processes and apparatus; Mechanical elements; Transport.
- Physics is no separate class in the Fraunhofer technology classification, but it is present as a main class in the IPC technology classification (sector G)