

以專利檢索與分析為工具尋找車輛動力創新研發方向

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### 摘要

Patent search and analysis plays a dominant role for these intellectual property right owners to manage their patents, no matter they come from industries, research organizations or academic units. It's another function will help to find the R&D direction of innovative researches. Steps of patent search include to clarify aims of search, to define scope of search, to use tools of search, to be objective search methods and to interpret results of search. Regarding patent analysis, utilize various patent data base libraries to collect and summarize patent indices, to calculate factor analysis, cluster analysis and corresponding analysis of objective technology with samples. Then, using these indices to reflect performance assessment of technological development. Five influent indices are numbers of patent, growth rate of patent, times of been cited and times of cited and technique influence. This investigation uses the vehicle power as example to practice the whole procedures of patent search and analysis: from deciding topic and market prediction, strategy of search, patent libraries search, integration and filtering of data and then patent management chart analysis, patent cited chart analysis and patent technological analysis to decide the patent map and future development finally. This study demonstrates design-around for against exiting patent and patent map of R&D for the hybrid vehicles to achieve goals of energy saving and low emission.

關鍵字：Innovation、Patent、Patent search and analysis、Vehicle power