

How to understand the YKS Map (With Explanations)

Map page

The YKS Map illustrates the cooperative and adversarial relationships among companies at the subcategory level of the "YKS Technology Industry Classification" based on technology. There are approximately 350 maps, each showing the top 10 companies (main companies) as determined by their YK values, which reflect technological competitiveness from a patent perspective, along with the companies that have competitive or cooperative relationships with these main companies (sub companies).

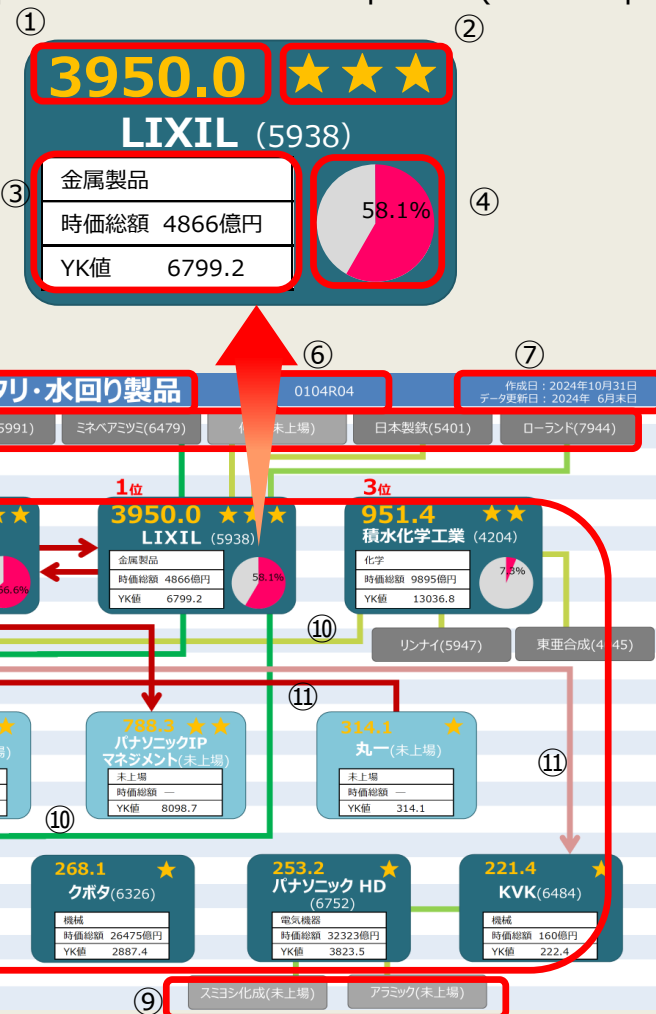
① Subcategory YK Value: The YK value within each subcategory. The YK value is an indicator of the economic competitiveness (i.e., economic value) of patents. Generally, patents that pose a threat to competing companies will face various attacks aimed at preventing their establishment or causing their expiration. Conversely, patents that survive despite facing numerous attacks can be considered more profitable (i.e., possessing higher economic competitiveness).



The YK value is derived from information about the attacks each patent has faced, extracted from patent office data, and represents the scale and quality of those attacks in points, summed up accordingly.

② Stars (★): Displayed in three tiers based on the YK value within the subcategory, in descending order.

③ Company Data: Industry name, market capitalization as of the data reference date, and YK value (for the entire company).

④ Pie Chart: Represents the proportion of the YK value of the company's subcategory relative to the YK value (for the entire company). (Only displays the top 1-3 positions among main companies.)



- ⑤ Title Area: Major Category Name < Middle Category Name < Subcategory Name.
- ⑥ Subcategory Code: The subcategory code in the YKS industry classification.
- ⑦ 作成日(Creation Date of this List) and the データ更新日(Date of Data Used for Creation):
Date of this map's creation / YK value update date & market capitalization update date.
- ⑧ Main Companies: Companies with high YK values within the subcategory, ranked 1st to 10th.
(Public companies are shown in dark blue, while unlisted companies are shown in light blue.)
- ⑨ Sub Companies: Companies that have cooperative or adversarial relationships with the main companies.
(Public companies are shown in dark gray, while unlisted companies are shown in light gray.)
- ⑩ Cooperative Relationship Lines(): Indicate shared relationships regarding patents with high technological competitiveness. The higher the technological competitiveness of the shared patents, the darker the green color used.
- ⑪ Adversarial Relationship Lines(): Represent attacks aimed at invalidating a company's patents, such as patent invalidation trials, invalidation trials for patent extension registrations, and disputes over the scope of rights (determinations), represented by the frequency of occurrences indicated by varying shades of color.

Explanation Page

This section provides an explanation of the business activity status of companies at the subcategory level of the "YKS Technology Industry Classification," including technical descriptions, trends in technological development, and changes in rankings from the previous map. It also shows the long-term (4-year) trends of the subcategory's YK value (technological competitiveness) and YK3 value (level of investment in technology), as well as the proportion of these values in relation to the corresponding middle category.

- ① Title Area: Major Category Name < Middle Category Name < Subcategory Name.
- ② Subcategory Code: The subcategory code in the YKS industry classification.
- ③ Creation Date / Data Update Date: Date of this explanation's creation / Data update date.
- ④ Explanation: Overview of the technological field of the subcategory.
- ⑤ Images: Representative images of the subcategory.

