



Benefits of Including Japan as a Key Part of Your Company's IP Portfolio and Filing Strategies

Discover IP Japan Conference

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Plenary Session 1

Presenters

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Kaneka Corporation

Former JPO Examiner



Agenda

Japan as a Center of:

- Patents
- Innovation
- Economy

JPO as a Center of:

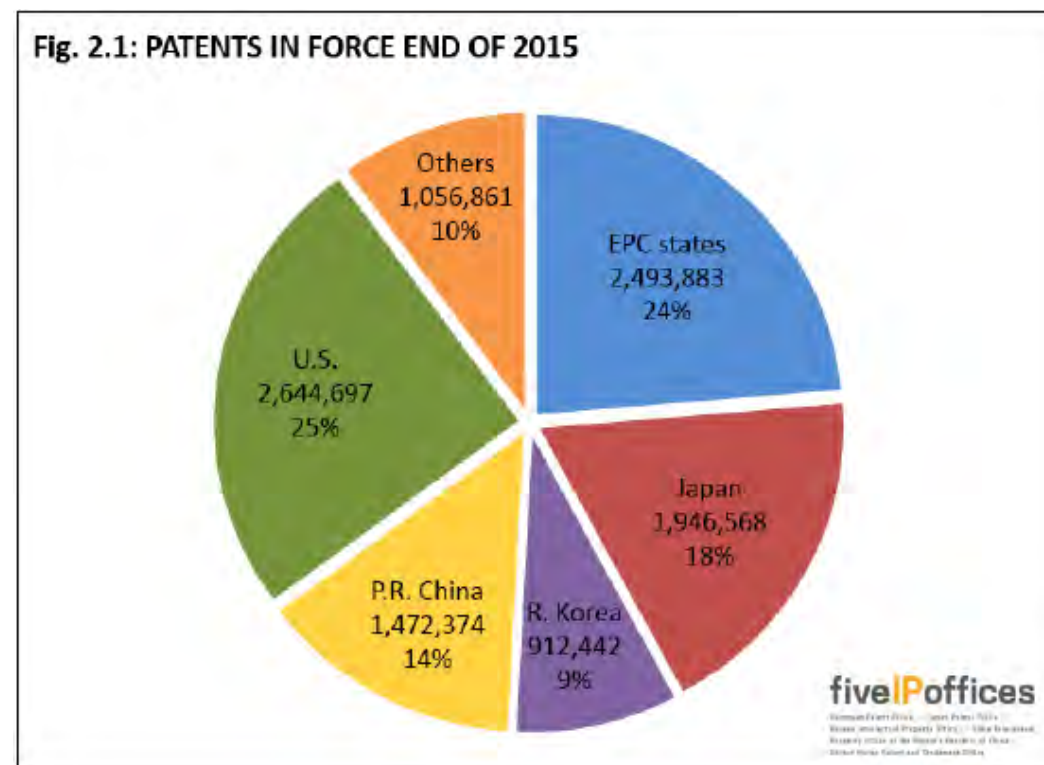
- Speed and Quality
- Filing
- Examination
- Maintenance
- Enforcement

Kaneka as a Real World Example

Japan, Center of Patents

Japan – second largest state holder of patents in force

- Japan is member of IP5, top 5 offices
- Japan has a long history as a center of patents, with largest number of those currently in force behind only U.S.
- EPC holds more patents, but is made up of many states, each with separate fees and requirements
- China issues increasingly more patents every year, but this is more recent history



Japan, Center of Innovation

Japan – innovation leader with largest innovation clusters

- Japan has 2 of top 5 and 3 of top 10 innovation clusters
- Tokyo-Yokohama cluster holds more than double number of filings of next largest

Rank	Cluster Name	Territory(ies)	Number of PCT Filings
1	Tokyo–Yokohama	Japan	94,079
2	Shenzhen–Hong Kong	China/Hong Kong (China)	41,218
3	San Jose–San Francisco, CA	United States	34,324
4	Seoul	Republic of Korea	34,187
5	Osaka–Kobe–Kyoto	Japan	23,512
6	San Diego, CA	United States	16,908
7	Beijing	China/Hong Kong (China)	15,185
8	Boston–Cambridge, MA	United States	13,819
9	Nagoya	Japan	13,515
10	Paris	France	13,461
11	New York, NY	United States	12,215
12	Frankfurt–Mannheim	Germany	11,813
13	Houston, TX	United States	9,825
14	Stuttgart	Germany	9,528
15	Seattle, WA	United States	8,396
16	Cologne-Dusseldorf	Germany	7,957
17	Chicago, IL	United States	7,789
18	Eindhoven	Netherlands/Belgium	7,222
19	Shanghai	China/Hong Kong (China)	6,639
20	Munich	Germany	6,578
21	London	United Kingdom	6,548
22	Tel Aviv	Israel	5,659
23	Daejeon	Republic of Korea	5,507
24	Stockholm	Sweden	5,211
25	Los Angeles, CA	United States	5,027

Source: WIPO, "Identifying and Ranking the World's Largest Clusters of Inventive Activity" (2016) (http://www.wipo.int/edocs/pubdocs/en/wipo_pub_econstat_wp_34.pdf).

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Rank	Cluster Name	Territory(ies)	Number of PCT Filings
26	Minneapolis, MN	United States	4,422
27	Portland, OR	United States	4,146
28	Nuremberg–Erlangen	Germany	4,049
29	Irvine, CA	United States	3,965
30	Berlin	Germany	3,632
31	Zurich	Switzerland/Germany	3,615
32	Philadelphia, PA	United States	3,172
33	Plano, TX	United States	3,147
34	Helsinki-Espoo	Finland	3,045
35	Singapore	Singapore	2,996
36	Basel	Switzerland/France/Germany	2,804
37	Raleigh–Durham, NC	United States	2,775
38	Hitachi	Japan	2,648
39	Copenhagen	Denmark	2,613
40	Hamamatsu	Japan	2,496
41	Washington, DC	United States	2,491
42	Cincinnati, OH	United States	2,481
43	Benaguru	India	2,479
44	Sydney	Australia	2,380
45	Rotterdam–The Hague	Netherlands	2,235
46	Atlanta, GA	United States	2,162
47	Montreal, QC	Canada	2,124
48	Toronto, ON	Canada	2,094
49	Austin, TX	United States	2,089
50	Lyon	France	2,063

Source: WIPO, "Identifying and Ranking the World's Largest Clusters of Inventive Activity" (2016) (http://www.wipo.int/edocs/pubdocs/en/wipo_pub_econstat_wp_34.pdf).

Japan, Center of Economy

Japan – third largest state economy

- Japan has third largest GDP (nominal), behind only U.S. and China
- Japanese companies make up 10% of Fortune Global 500
- Population of nearly 130 million includes sophisticated, selective consumers



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Dagmara Ponikiewska ID 3989301 (below)).*

*Sources: World Bank (<https://data.worldbank.org/indicator/NY.GDP.MKTP.CD>);
Fortune Global 500 List (2017) (<http://fortune.com/global500/>).*

Japan, Center of Economy

Japan – focus on future with electronics and health technologies

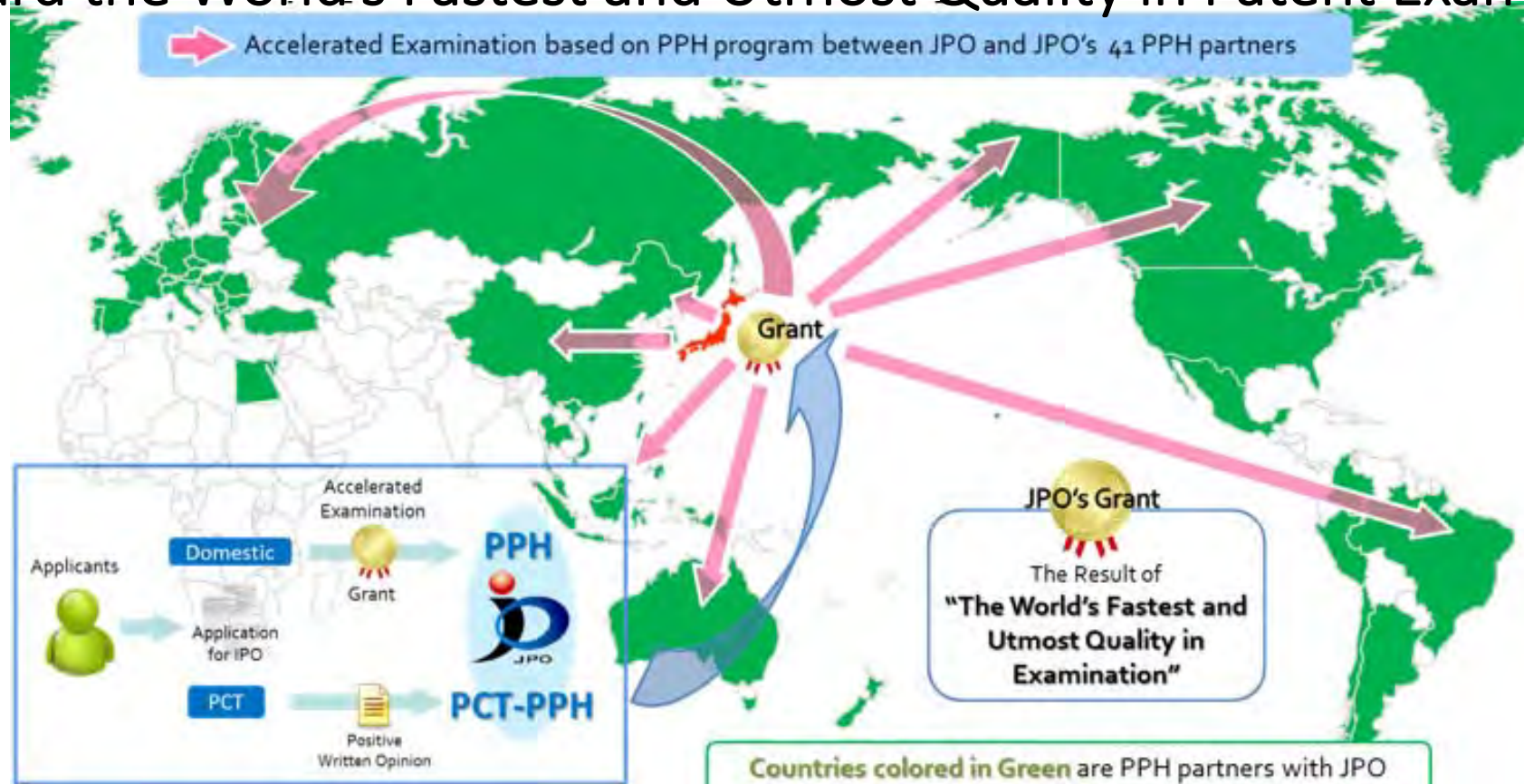
- Japan leads a number of industries, most notably electronics
- Other areas of note include chemistry and health technologies
- Automation demands innovation in robotics and industry
- Aging populations demand innovation in healthcare and medical devices
- Japanese companies are relatively collaborative and license-smart



Credits: Dreamstime Stock Photos (Yanik Chauvin ID 2837631 (left); Katrina Brown ID 1175204 (right)).

JPO, Center of Speed and Quality

“Toward the World’s Fastest and Utmost Quality in Patent Examination”

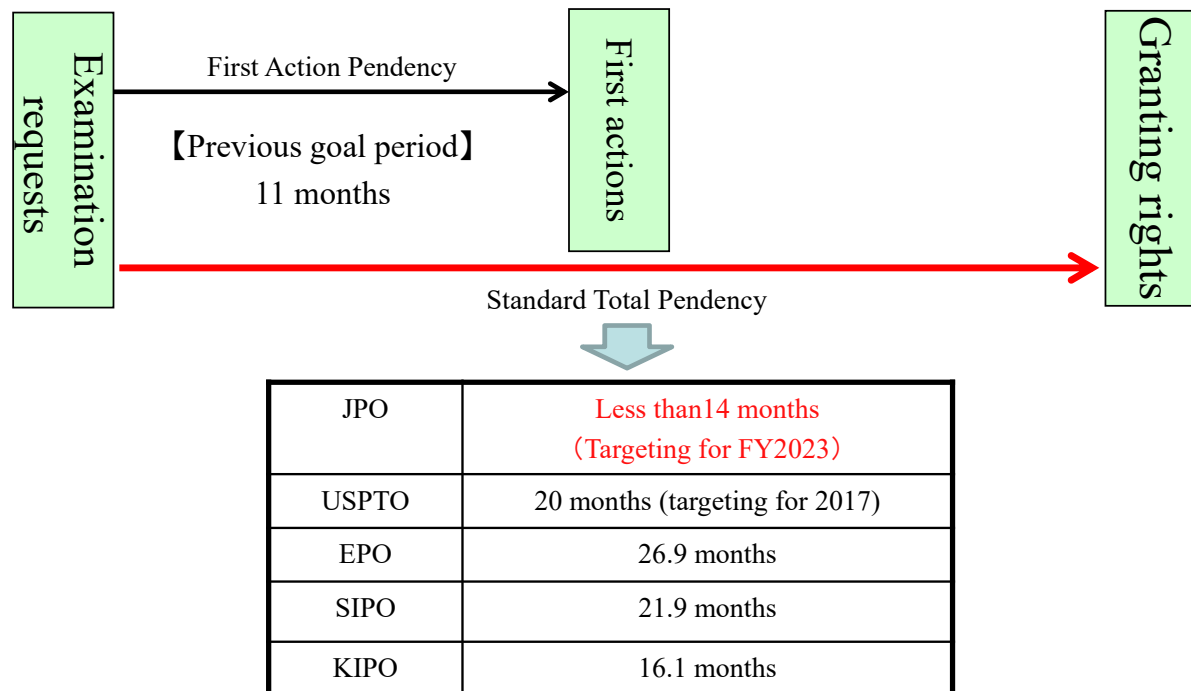


Source: JPO.

JPO, Center of Speed and Quality

“Toward the World’s Fastest and Utmost Quality in Patent Examination”

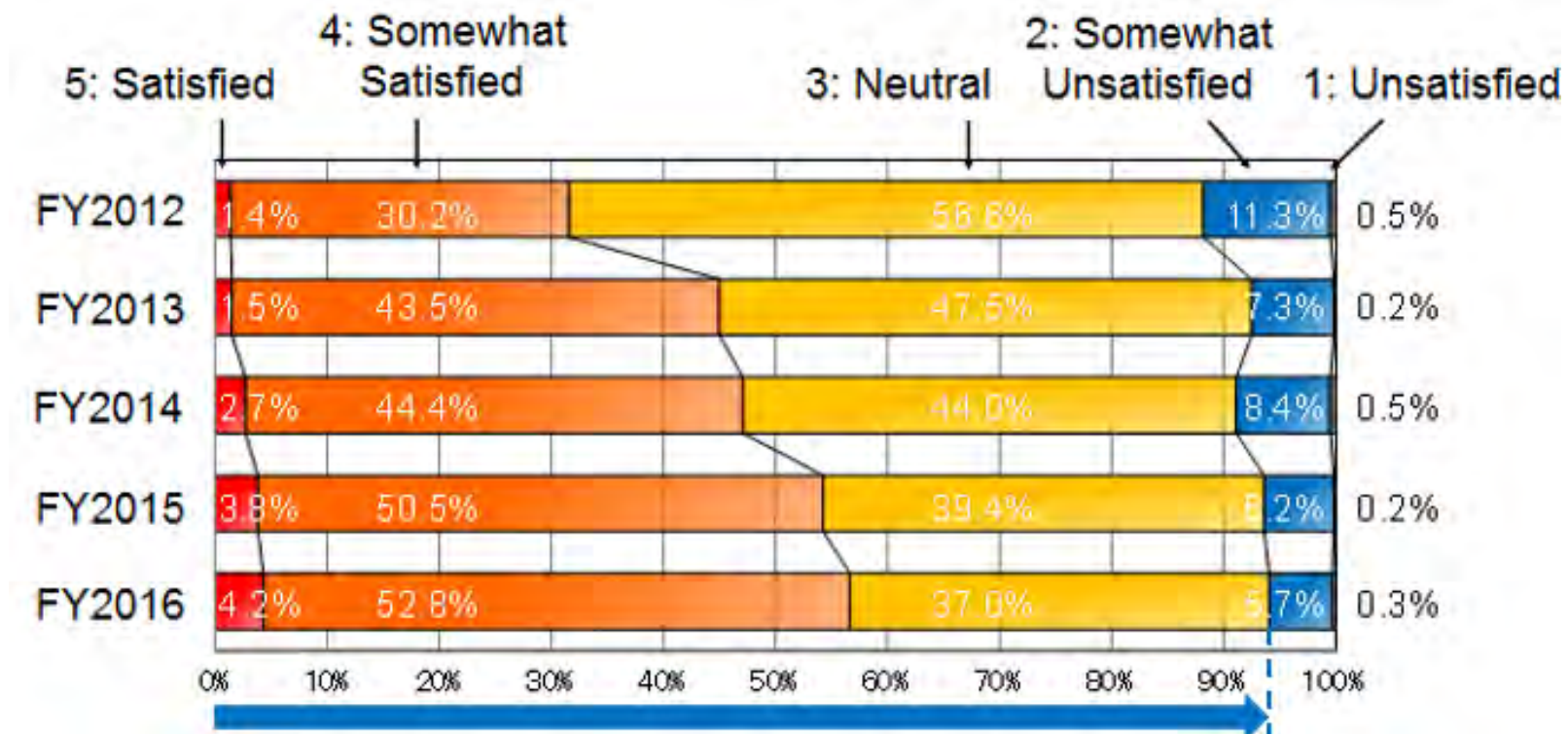
- Maintaining Speed – shortest period of pendency



JPO, Center of Speed and Quality

“Toward the World’s Fastest and Utmost Quality in Patent Examination”

- Granting High-Quality Rights – increasingly positive feedback on patent examination quality



Source: JPO.

JPO, Center of Speed and Quality

“Toward the World’s Fastest and Utmost Quality in Patent Examination”

- Cooperation and collaboration with foreign IP Offices – PPH with ~40 partners



Source: JPO.

JPO, Center of Filing

JPO – flexibility in requirements and strategy

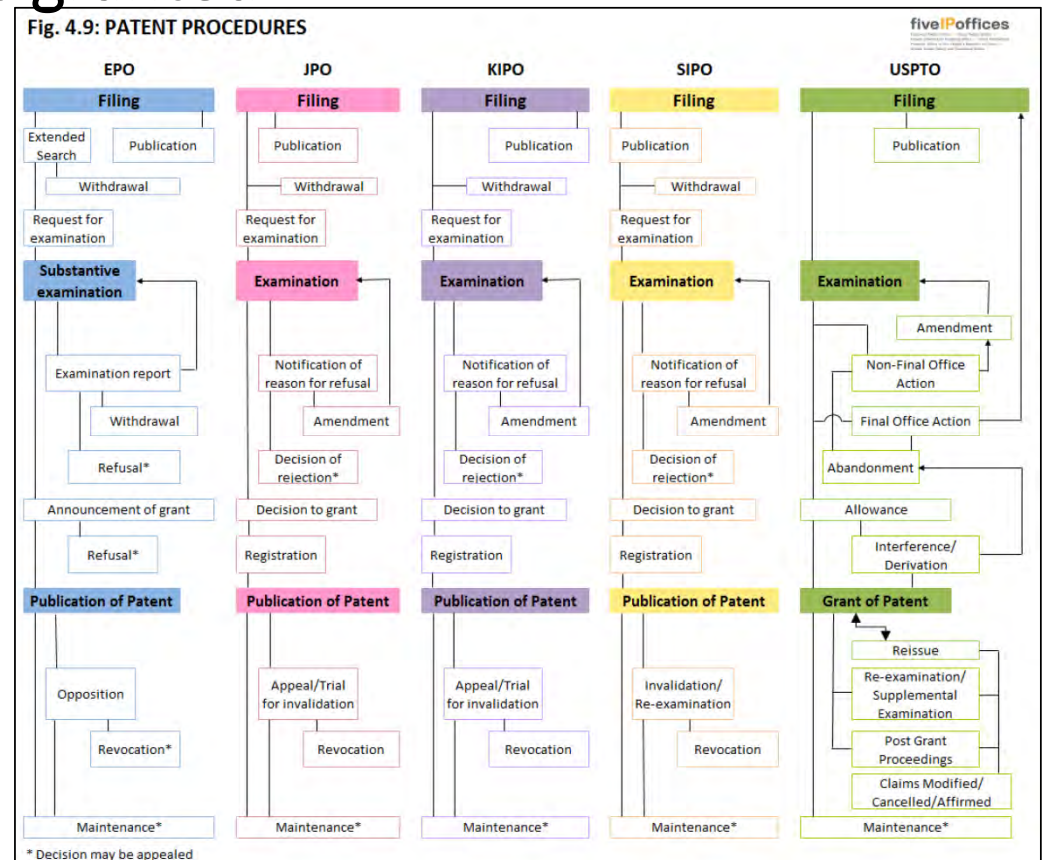
- Main documents may be in English (including description, claims, drawings, and abstract), with translation to follow
- For PCT filing, deadline for entry is 30 months and translation must follow within 2 months of filing
- Request for examination may be made within 3 years of entry into national phase
- Time period allows for evaluation of strategy and correction of translation issues



JPO, Center of Examination

JPO – increasing quality of patents granted

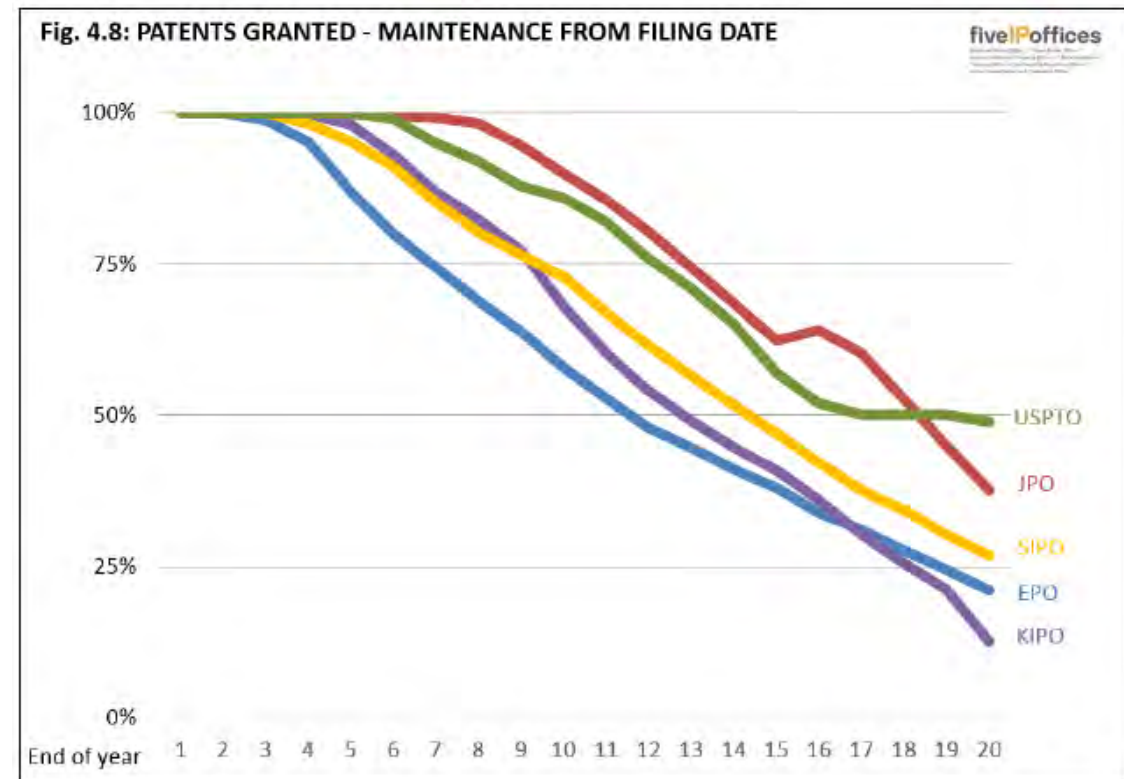
- JPO has increasing percentage of patent registrations while maintaining quality through familiar system
- Issuance of Quality Policy on Patent Examination, Quality Management Manual for Patent Examination, and Subcommittee on Examination Quality Management
- Outsourcing of prior art searches to 10 registered search organizations, and filers may request searches from some
- Examiners are accessible for interviews



JPO, Center of Maintenance

JPO – leader in maintenance of patents through life of patent

- Japan leads IP5 in percentage of patents maintained through life of patent for 18 of 20 years
- Reasonable fees for maintenance, especially in first decade of life of patent (as measured from registration, not filing)



JPO, Center of Enforcement

JPO – simplicity of enforcement

- Limited or no discovery means significantly lower costs than US litigation
- Professional privilege affords some level of protection similar to attorney-client
- Injunctive relief is readily available



Credit: Dreamstime Stock Photos (Anna Vorobyeva ID 8789711).

Kaneka, Real World Example



Our Commercial Products



Kane Ace MX



Kane Ace Modifiers



Kaneka Ms Polymer®



Kaneka CPVC



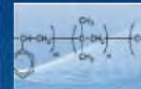
Apical



Kaneka Solar



Fine Chemicals



Sibstar®



Sunduren

Our Consumer Products



Liposorber®



Protex®



Kanekalon®



Nutritional Products

Questions and Wrap-Up

Thank you!