

Patent and Anti-wrinkle Cosmetics

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Abstract

In the 21st century, the development of cosmetics is led to pursue the high functionality of cosmetics with excellent effectiveness and safety. As Cosmetic Act took effect in 2000, functional cosmetics is provided in the law. As a result, the research and development of functional cosmetics has continually increased, and the number of patent applications in functional cosmetics has also rapidly increased as a plan for preoccupying in the functional cosmetics age.

Now, the cosmetic industry has a great interest in developing anti-wrinkle cosmetics among functional cosmetics, because women's desire for having young resilient skin has increased since Korea entered an aging society thanks to the advanced medical technology.

The patent application trends of anti-wrinkle cosmetics at home since 2000 particularly show the rapid increase in the applications in natural plant extracts. It may be because Korean consumers' preference of vegetable cosmetics has resulted in the development of raw materials based on the traditional medicine.

As for the existing preparation such as Retinoid or Ascorbic acid, the patent application itself will be an essential technical element in the future because patent applications are filed in the field of a preparation of cosmetics for stabilizing ingredients, reducing skin irritability or promoting absorbance, and in the field of cosmetic formulation technology.

As there are many studies on the causes of skin wrinkles, it is expected that new raw materials of cosmetics can be developed due to new mechanisms, and that the number of patent applications in new technologies will increase due to a change in the thought of cosmetics accompanied by the integration of cosmetics with biotechnology using

Genetic Engineering, including the practical application of the medicine previously used for treating skin diseases to an anti-wrinkle agent and the mass production of active ingredients of cosmetics.

EDUCATION

1987 B.S. in Pharmacy, Sookmyung women's university

1989 M.S in Pharmacy, Sookmyung women's university

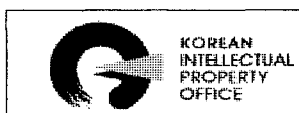
PROFESSIONAL AND RESEARCH EXPERIENCE

1989 Central Reserch Institute, Samjinpharm,

1991 Department of Pharmacy, Asan Medical Center

1996 Korean Intellectual Property Office

Patent & Anti-wrinkle Cosmetics

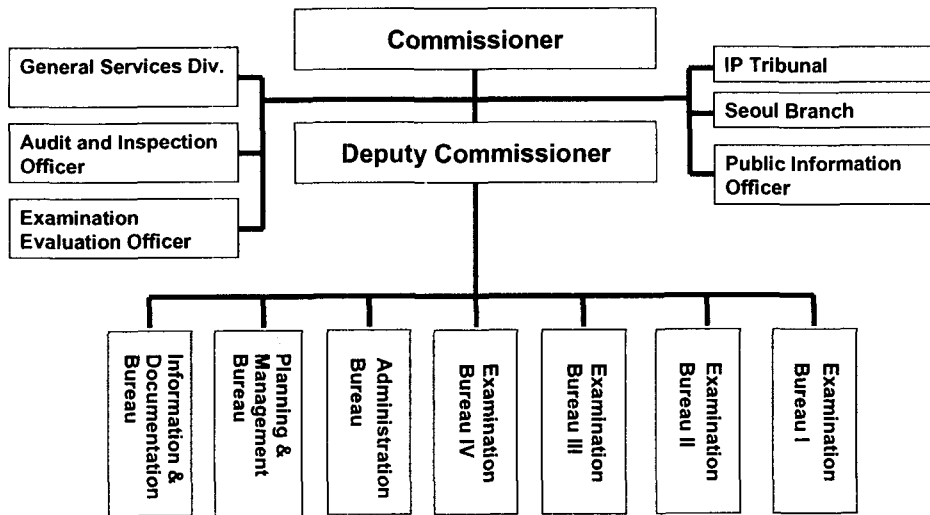


KIPO Patent Examiner
Jang, Jin Ah

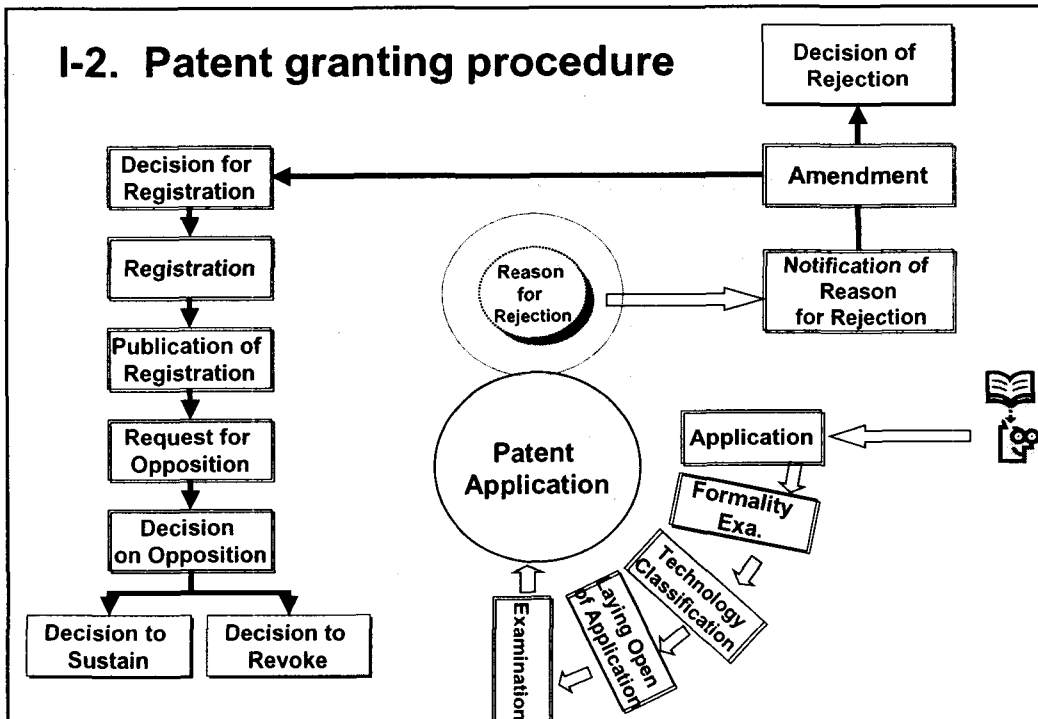
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- II . Anti-wrinkle cosmetics
 - A. Comparison with other cosmetics
 - B. Trends by Applicants
 - C. Trends by Year
 - D. Trends by Technology
- III . Conclusion : Future Prospect

I-1. KIPO Organization



I-2. Patent granting procedure

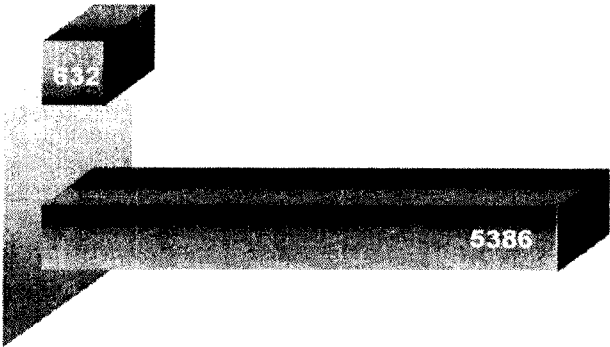


I-3. IPC of anti-wrinkle cosmetics

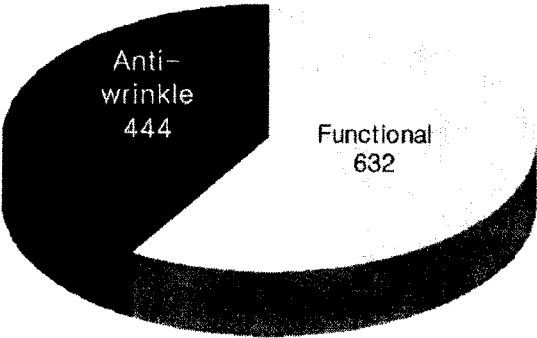
Section	A	Human Necessities
Class	A61	Medical or Veterinary Science ; Hygiene
Sub-Class	A61K	Preparations for Medical, Dental or Toilet Purpose
Group	A61K 7	Cosmetics or similar Toilet Preparations

The screenshot shows a web browser window with a search results page. On the left, there is a table with columns for '검색 범위' (Search Range), '검색어' (Search Term), '검색식' (Search Formula), and '검색결과' (Search Results). The table lists various IPC classes under 'A61K 7', such as A61K 7/00, A61K 7/01, A61K 7/02, etc., with their respective counts. On the right, there is a '검색 상세' (Search Details) section showing the search criteria and results, including a list of patent numbers and their titles in Korean. The interface is in Korean and includes navigation buttons at the bottom.

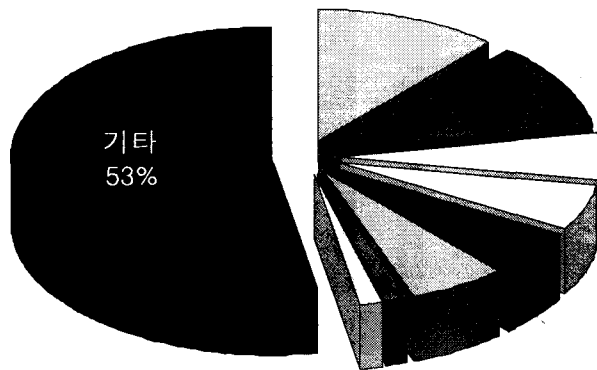
A-1. Rate of Functional Cosmetics Appl.



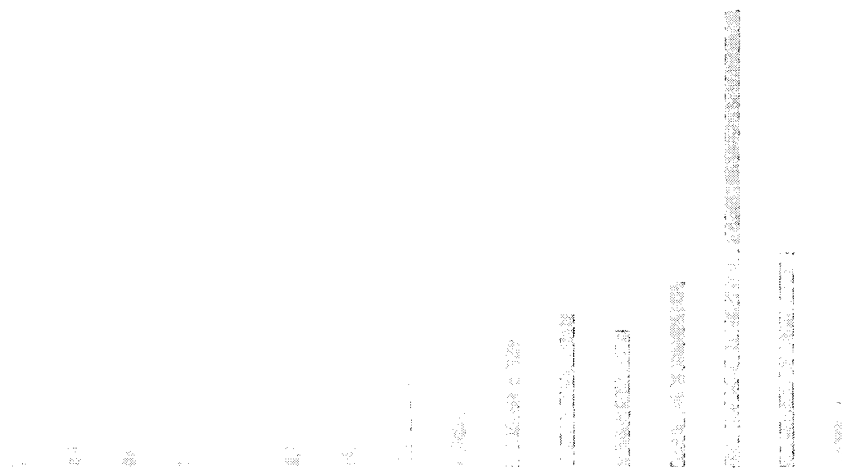
A-2. Rate of Anti-wrinkles in Functional cosmetics



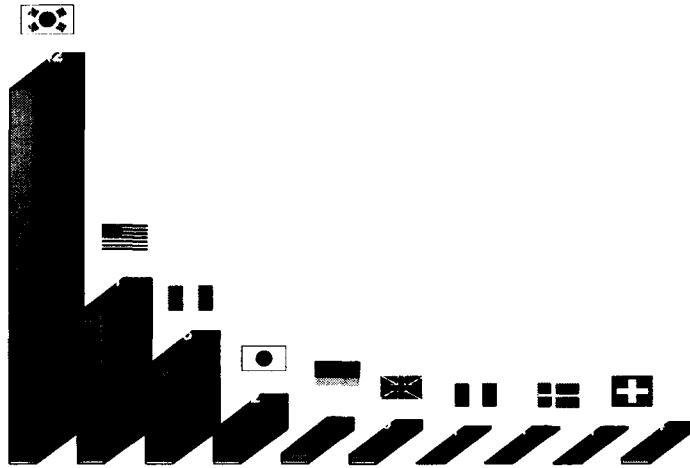
B-1. Rate of Applicants for Anti-wrinkle Appl.



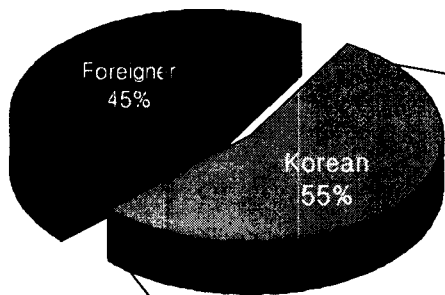
B-2. New Applicants by Year



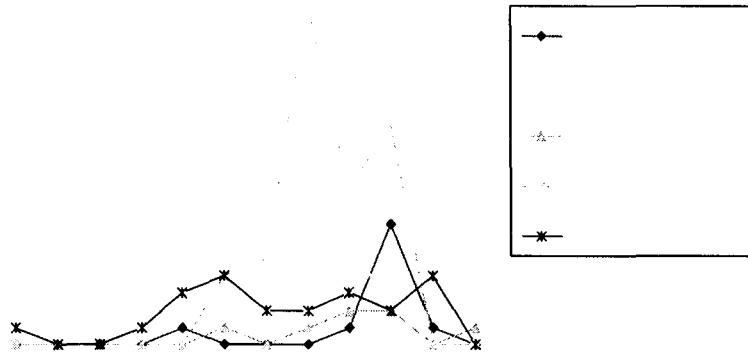
B-3. Appl. Rate by Countries



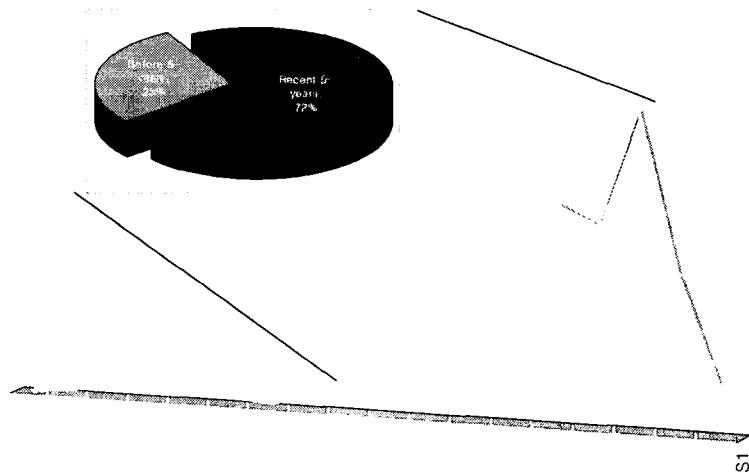
B-4. Appl. Rate of Koreans vs. Foreigners



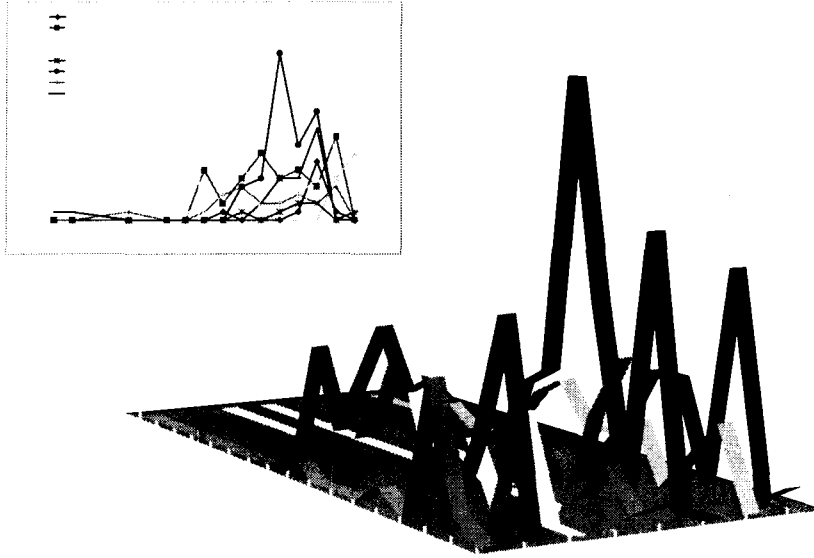
B-5. Trends by Korean Applicants



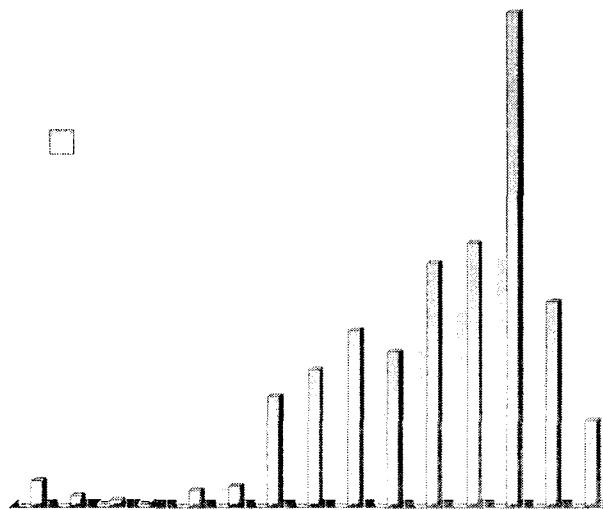
C-1. Appl. Trends by Year



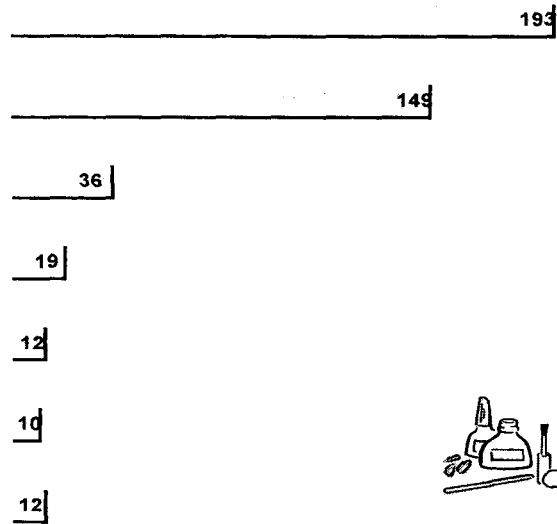
C-2. Appl. Trends by Year & Applicants



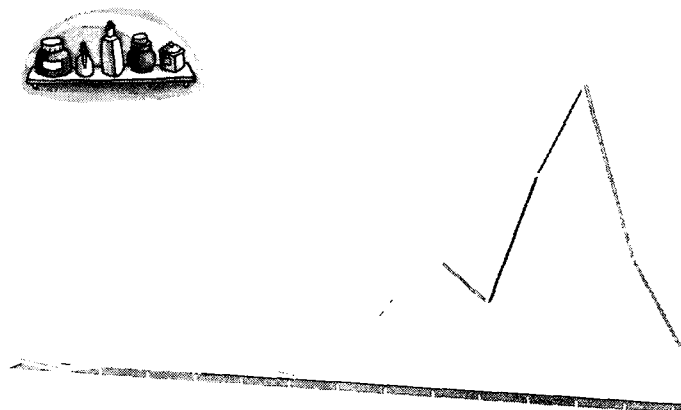
C-3. Increasing Rate of Anti-wrinkle Appl.



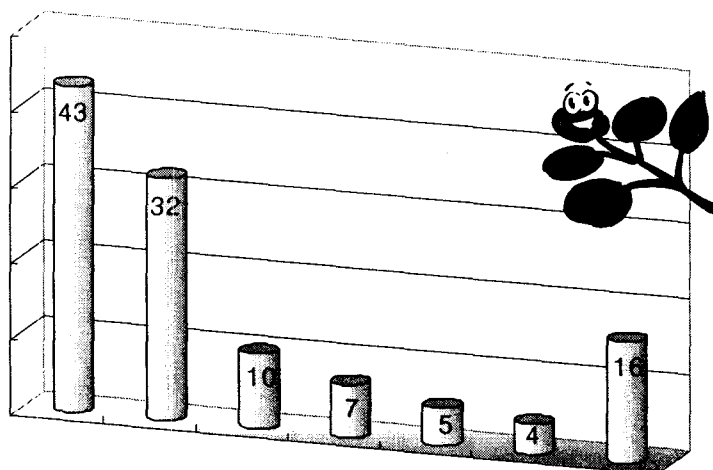
D-1. Rate of Components



D-2. Trends of Natural Products Related Appl. by Year



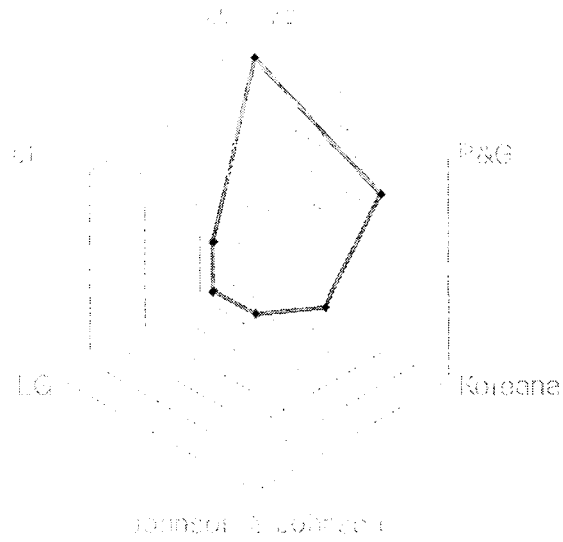
D-3. Rate of Natural Products Related Appl.



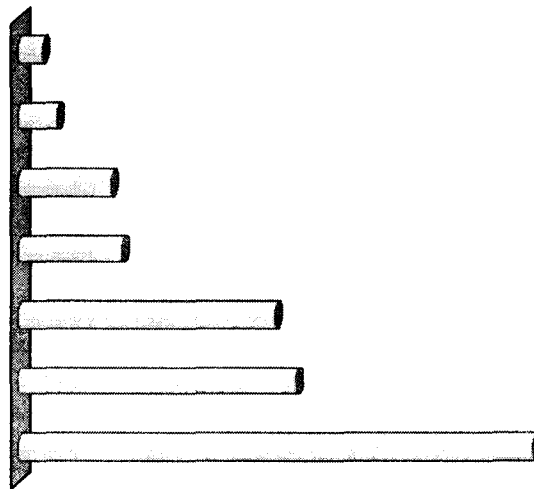
D-4. Natural Products Granted

Applicant	Natural Product
Pacific	Green Tea, Cortex of <i>Castanea mollissima</i> , <i>Panax ginseng</i> , <i>Phellinus</i> sp.
LG	<i>Ulmus parviflora</i> , <i>Aquilaria agallocha</i> , <i>Agastache rugosa</i> , <i>Lagenaria siceraria</i>
Koreana	<i>Castanea crenata</i> S. et Z, <i>Castanea vulgaris</i>
Nadri	<i>Vitis vinifera</i> L.
Personal	<i>Alpinia Katsumadai</i>

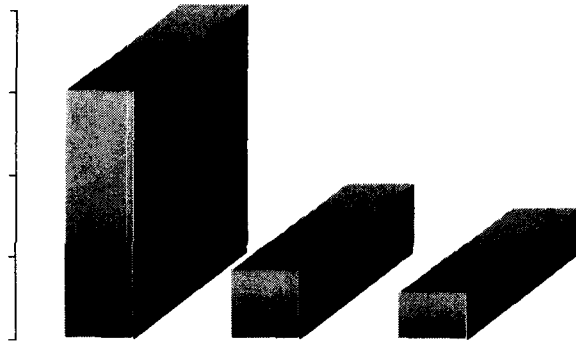
D-5. Rate of Applicants in Retinoid Related Appl.



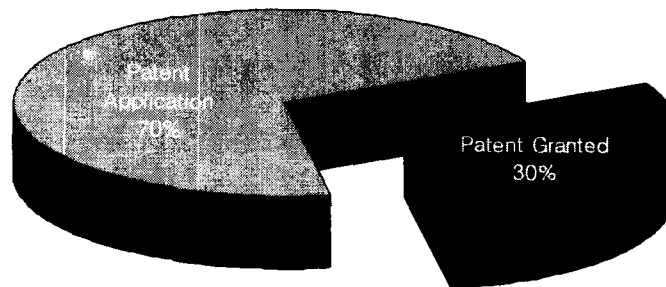
D-6. Rate of Anti-Aging Mechanisms in Appl.



D-7. Rate of Anti-Naturalaging vs. Anti-Photoaging Protectants



D-8. Registration Rate in Applications



III. Conclusion: Future Prospect

- ◆ **New Mechanism & New Substance**
- ◆ **Various Preparation Forms**
- ◆ **Approach to Genetic Engineering**

Thank You

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