Spirulina Extract - Patent Overview in the years 2011 - 2016

Description: Superfood Spirulina is a blue-green algae that is suitable for human consumption and is an excellent dietary supplement. The dried Spirulina powders contain high amount of protein (~55%-75%), Minerals (~7%-13%) like Calcium, potassium & zinc, Beta Carotene (150-320 mg) and essential vitamins. The high amount of nutrient makes it a suitable health supplementary with lots of antioxidants especially Phycocyanin which is only found in Spirulina. Health benefits of Spirulina includes pH regulation, Energy boosting abilities, Nutrition supplements with the high concentration of protein and essential fatty acids. Spirulina as a health supplement is very popular among people seeking a good source of protein, especially for vegans and vegetarians.

Apart from being a good health supplement, Spirulina extracts are also used in food products, natural colors, feed, nutraceuticals, biofertilizers and cosmetic chemicals. Spirulina contains three colors - red, blue and yellow. Being rich in chlorophyll, phycocyanin and beta-carotene it is often used as a source of natural color extract. Edible color ‘Lina- Blue’ used in ice creams and confectionaries are mainly produced from Spirulina. The banning of various synthetic colors in food items by various developed nations like EU, US and Japan is fuelling this market. Japan have made it mandatory to use food colors which have no chemicals. US FDA has approved the use Spirulina based ‘Lina Blue’ to be used in candy as an alternative to synthetic colors.

Cyanobacterium/blue-green algae help in nitrogen fixation through photosynthesis which makes Spirulina an excellent source of biofertilizer in various developing and developed nations. Spirulina is more famous among organic farmers who seeks to enhance productivity in natural ways.

Major factors include growing awareness among consumers of natural food products, rising regulations against synthetic colors, a growth of subsidiary industries like cosmetics and biofertilizers, increasing preference for plant protein sources. Application in sports drinks industry, dye markets, expansion in niche markets of developing countries is some of the potential opportunities that exist in this market.


Who can use the report?

R&D personnel
- Helps in mapping the big players in the broad spectrum of the technology
- Helps in digging out white spaces that identify the technology gaps
- Cognizant about the chronological developments in the technological field for the last 5 years
- Finding alternative technical solutions to a problem

Directives
- Helps in knowing the innovative focus of companies, industries, and countries
- Determining the strengths and weaknesses of own or any particular company patent portfolios
- Spotting the new competitors

Legal assessors and representatives
- Filing trends either for the overall number of patents, or just for certain groupings in the last 5 years

Financial and fiscal assessors and representatives
- Forms the base for the evaluation of patents within the context of the control of organizational resources and accounting

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Contents: 1. Objective
2. Overview
3. Search Strategy
Searches run to retrieve last 5 year related patents
4. Patent set segmentation
(The patents obtained in the searches would be segregated based on the top 2 or 3 major categories on the search database itself.
The patents can also be segregated by performing a detailed manual analysis where every patent would be read and the information would be listed under the categories. If the detailed analysis of each and every patent is required, the requestor can ask for the patent analysis report)
5. Categorization Tree
(This represents the general overview of the major concepts disclosed in the patents and the number of patents in each segment)
6. IP Publication Trend
(Graph 1: Patent count based on earliest publication year
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7. Top 10 Assignees Graph
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(Geographical distribution of patents with count of records, filing years and key assignees)
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(Possible number of charts and graphs will be provided for the major categories of the patent set)
10. Legal Status Graph
11. Summary
12. Disclaimer
Note: To have
a) In-depth patent analysis
b) Top Assignee-Key statistics
C) Top Inventors-Key Statistics
D) Companies new in technology space
E) More charts & graphs for the technological data existing in the patents
F) Patent Overview for more (say 6 or more) number of years or with no restriction of the years.

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