+44 20 8123 2220
info@marketpublishers.com

UV LED-Key Patent Analysis and Market Forecast(2012-2018)

https://marketpublishers.com/r/UB371DE537BEN.html
Date: September 2013
Pages: 237
Price: US$ 4,250.00 (Single User License)
ID: UB371DE537BEN

Abstracts

This report is intended to provide in-depth analysis of UV LED patents which has been receiving growing interest in the LED industry. This report will also cover the market forecast (2012-2018) to provide a comprehensive overview of the UV LED industry, the related companies and the research institutes in the two aspects- markets and patents.

As UV lamps are rapidly replacing mercury with the help of high efficiency and high output, a lot of efforts to use them in various applications are being made. This is because UV LEDs using UV light sources have more advantages than existing Hg lamps as follows.

With these advantages, UV LED products are expected to replace existing mercury UV lamps rapidly. In fact, UV LEDs have already started to replace mercury-vapor lamps in many applications as UV curing and counterfeit detection. In addition, there are on-going efforts to apply the UV LED technology to the fields of agriculture and medicine and some products are being deployed at initial prototype stage.

In this sense, UV LEDs are expected to show rapid growth in the UV lamp market. The share of UV LEDs is expected to grow from 11% ($53M) in 2012 to 62 %($521M) in 2018.

Nevertheless, UV LED light sources are facing many technical challenges. Using AlN-based materials, for instance, makes it difficult to fabricate high-quality thin-film, and lack of skilled labor and resources in UV LED device fabrication and packaging causes low light outputs. As a lot of companies have recently participated in the UV LED industry, technology development will be further matured.

+44 20 8123 2220
info@marketpublishers.com

In this context, SNE Research has published a patent analysis report on UV LEDs. The data used in this report extracted from patents filed in Korea, the United States, Japan and Europe until June, 2013. From this, of 3,563 patents, 1,326 valid patents were extracted. These patent data are to be a good help to attain prior art data or related problems, technological progress, and other useful information for exploring novel ideas and solutions for possible problems. It can also serve as a useful tool to prevent or prepare future patent disputes in advance through investigation of third-party patent rights.

This report is also expected to be a great help to examine the patent trends and relevant key patents in the field of UV LEDs.

Total 237 pages, UV LED technology development trend and market forecasts for major applications (2012~2018)

Analysis of 1,326 major patents filed worldwide including in-depth analysis and patent specifications of 139 key patents

Overall patent trend analysis, key patent trend analysis and issued patent analysis

UV LED technology timeline analysis

+44 20 8123 2220
info@marketpublishers.com

Contents

Part I. UV LED Market Forecast

1. UV LED OVERVIEW

1.1 UV Overview
1.2 UV LED Overview
1.3 UV LED Technology Trend

2. UV LED MARKET FORECAST

2.1 UV LED Application Trend
2.2 UV LED Market Forecast (2012-2018)
UV Lamp Market Forecast
UV LED Market Forecast (2012-2018)
Part II. UV LED Key Patent Analysis

3. UV LED PATENT ANALYSIS OVERVIEW

Patent Analysis Background
Analysis Scope and Methodology
Technology Classification for Analysis
Methodology

4. OVERALL PATENT TREND ANALYSIS

Patent Search Result and Valid Patent Extraction
Patent Trend by Country/Year
Patent Trend by Year/Applicant
Patent Trend of Leading Companies by Country
TOP 10 Leading Company's Patent Trend
Patent Trend of Leading Companies
Patent Trend by Technology
Patent Trend by Technology Sector/Year
Trend by Technology Sector
Share of Each Technology Type by Period
Trend in Major Applicants by Period
Patent Trend by Technology/Country

+44 20 8123 2220
info@marketpublishers.com

US Patent Grant of Major Companies
Patent Trend by Application

5. UV-LED TECHNOLOGY KEY PATENT ANALYSIS OVERVIEW

Key Patent Selection
Key Patent Selection Result
Share of Kay Patent Filings by Company
Kay Patent Trend by year
key Patent Distribution by Technology
Key Patent List by Company
Method for in-depth analysis of Key Patents

6. UV-LED EPI KEY PATENT ANALYSIS

Key Patent List
Patent Technology Timeline
Key Patent Analysis

7. UV-LED LIGHT EXTRACT KEY PATENT ANALYSIS

Key Patent List
Patent Technology Timeline
Key Patent Analysis

8. UV-LED MODULE KEY PATENT ANALYSIS

Key Patent List
Patent Technology Timeline
Key Patent Analysis

9. UV-LED PACKAGING KEY PATENT ANALYSIS

Key Patent List
Key Patent Analysis

10 . UV-LED PHOSPHOR KEY PATENT ANALYSIS

Key Patent List

+44 20 8123 2220
info@marketpublishers.com

Patent Technology Timeline
Key Patent Analysis

11 . UV-LED APPLICATIONS KEY PATENT ANALYSIS

Key Patent List
Key Patent Analysis

12. IN-DEPTH ANALYSIS OF KEY PATENTS OF LEADING COMPANIES

Nichia key patent analysis
Riken key patent analysis
SET key patent analysis
Nitek key patent analysis
Seoul Opto device key patent analysis

13. CONCLUSION/IMPLICATION

UV-LED patent trend
Key Technology Trend of Major Companies
Technology Development Issue
Implications

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: UV LED-Key Patent Analysis and Market Forecast(2012-2018)
Product link: https://marketpublishers.com/r/UB371DE537BEN.html
Price: US$ 4,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/UB371DE537BEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970