Microneedles for drug delivery

Patent Landscape Analysis

2020
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We Know Technology, We Know Patents
INTRODUCTION
Scope of the report

- This report provides a detailed picture of the patent landscape for Microneedles for Drug Delivery.
- This report covers **patents published worldwide up to Mars 2020**.
- About **2,450 relevant patent families** have been selected and analyzed in this report.

**Included in the report**

- Microneedles for all type of drug delivery and applications (cosmetic and therapeutic)
- All type of microneedles:
  - Applicators (Patch, Array, etc...)
  - Coated
  - Hollow
  - Solid
  - Soluble
  - Hydrogel
  - Porous

**Not included in the report**

- Microneedles for transdermal sampling biological fluid
- Microneedles for transdermal monitoring
- Microneedles for transdermal sensing
- Simple Packaging for microneedles.
- Other device for drug delivery
INTRODUCTION

Key features of the report

• **Essential patent data** for Microneedles for Drug Delivery.

• **In-depth patent analyses** of **key technologies** and **key players** including:
  – Time evolution of patent publications and countries of patent filings;
  – Current legal status of patents;
  – Ranking of main patent applicants;
  – Joint developments and IP collaboration network of main patent applicants;
  – Key patents;
  – Relative strength of main companies IP portfolio; and
  – Matrix patent applicants/technology issues for main IP players.

• **IP profiles presentation of 12 key players**, including key patents, technological issues, partnerships, IP strength: TOPPAN PRINTING, HISAMITSU PHARMACEUTICAL, LG HOUSEHOLD & HEALTH CARE, 3M, FUJIFILM, JOHNSON & JOHNSON, BECTON DICKINSON & COMPANY, CORIUM, etc.
INTRODUCTION
Key features of the report

- **Excel database** comprising all analyzed patents of the report is provided.

- This **patent database** allows multi-criteria searches, including:
  - Patent publication number
  - Hyperlinks to the original documents
  - Priority date
  - Title
  - Abstract
  - Patent assignees
  - Technical segmentation
  - Legal status for each member of the patent family.

- The findings, interpretations and conclusions expressed in this report are entirely those of Knowmade and may not constitute or imply endorsement by a decision-making body such as a court of law or a patent office. Any assessment of the effect or scope of pending applications or granted patents reflects our own views and these are not necessarily those of a Patent Attorney. Should confirmation of our assessment in this respect be required, we recommend you to seek the advice of a national Patent Attorney.
Microneedles for drug delivery – Patent Landscape Analysis - Ref. : KM20006

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Patent Portfolios Benchmarking: Beyond the Quantity
Who has the best patent portfolio?
Key patent families
Identification of the patent families with the higher impact
Patent Segmentation

What are the key IP players for each segments?
Excel file with all patents analyzed in the report

Useful patent database allows multi-criteria searches
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**Executive team**

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Global presence, with an established base of more than 100 customers worldwide
Microneedles for drug delivery – Patent Landscape Analysis

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Competitive landscape | Technology trends | Opportunities / Risks | R&D and IP strategy

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