

Title (en)

MICRONEEDLE ARRAY COMPRISING A HEAT-PRODUCING ELEMENT

Title (de)

MIKRONADELARRAY AUFWEISEND EIN WÄRMEERZEUGENDES ELEMENT

Title (fr)

RÉSEAU DE MICRO-AIGUILLES PRÉSENTANT UN ÉLÉMENT GÉNÉRATEUR DE CHALEUR

Publication

EP 3934732 A1 20220112 (DE)

Application

EP 20713187 A 20200306

Priority

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- EP 2020055967 W 20200306

Abstract (en)

[origin: CA3132406A1] The invention relates to a microneedle array which comprises a heat-producing element, and to its use for the intradermal application of active ingredients, in particular pharmaceutically active ingredients (API) and drugs. The microneedle array is suitable for penetrating the skin of humans or animals and the microneedles consist of a water-soluble formulation that contains at least one active ingredient.

IPC 8 full level

A61M 37/00 (2006.01)

CPC (source: EP US)

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Citation (examination)

- KR 20180079728 A 20180711 - UNIV GACHON IND ACAD COOP FOUND [KR]
- US 2008208162 A1 20080828 - JOSHI ASHOK V [US]
- KR 20180002233 A 20180108 - SEOUL NAT UNIV R&DB FOUNDATION [KR], et al
- KR 20100034836 A 20100402 - RURE MEDI CO LTD [KR]
- See also references of WO 2020178416A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

DE 102019105694 A 20190306; BR 112021016072 A 20200306; CA 3132406 A 20200306; CN 202080018541 A 20200306; EP 2020055967 W 20200306; EP 20713187 A 20200306; JP 2021552564 A 20200306; US 202017436255 A 20200306