

Title (en)
IONTOPHORETIC DRUG DELIVERY ELECTRODES

Title (de)
ELEKTRODEN ZUR IONOPHORETISCHEN VERABREICHUNG VON MEDIKAMENTEN

Title (fr)
ELECTRODES POUR ADMINISTRATION DE MEDICAMENTS PAR IONOPHORESE

Publication
EP 1121059 A4 20060405 (EN)

Application
EP 99924478 A 19990524

Priority
• US 9911440 W 19990524
• US 15364098 A 19980915
• US 20575198 A 19981204

Abstract (en)
[origin: WO0015120A1] Non-reusable, medicament-dispensing applicator electrodes (10) adapted for use with an iontophoresis device or an ionosonic device for facilitating delivery of medication across the cutaneous membrane into adjacent underlying tissues, and blood vessels. The embodiments of the iontophoresis electrode include an open mesh (12) having cells (12a) in the medicament dispensing portions (11) of the electrode which retain a medicament in the form of liquid, gel or ointment. The cells are adapted to contain, to iontophoretically dispense, and deliver medicament. The medicament-dispensing electrodes (70) are composite or unitary in construction and may be useful in the treatment of acne, and also genital herpes simplex infection. The delivery electrode (71), when used in accordance with the medicated electrode, and method described herein, demonstrated >90 % treatment efficacy in clinical trials for the treatment of genital herpes. The applicator electrode may also be used with an ionosonic handpiece (40).

IPC 8 full level
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CPC (source: EP)
A61N 1/30 (2013.01)

Citation (search report)
• [XA] US 5676648 A 19971014 - HENLEY JULIAN L [US]
• [A] US 5358483 A 19941025 - SIBALIS DAN [US]
• See references of WO 0015120A1

Designated contracting state (EPC)
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WO 0015120 A1 20000323; WO 0015120 A8 20011004; AU 4096699 A 20000403; AU 763197 B2 20030717; CA 2343893 A1 20000323; CA 2343893 C 20081230; EP 1121059 A1 20010808; EP 1121059 A4 20060405; JP 2002524184 A 20020806; JP 4297401 B2 20090715

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