

Title (en)

METHODS AND SYSTEMS FOR ULTRASOUND ASSISTED DELIVERY OF A MEDICANT TO TISSUE

Title (de)

VERFAHREN UND SYSTEME ZUR ULTRASCHALLUNTERSTÜTZTEN ABGABE EINES ARZNEIMITTELS AN GEWEBE

Title (fr)

PROCÉDÉS ET SYSTÈMES POUR L'ADMINISTRATION ASSISTÉE PAR ULTRASON D'UN MÉDICAMENT DANS UN TISSU

Publication

EP 3265168 A1 20180110 (EN)

Application

EP 16712124 A 20160303

Priority

- US 201562127720 P 20150303
- US 201514637237 A 20150303
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- US 2016020600 W 20160303

Abstract (en)

[origin: WO2016141144A1] Systems and methods are disclosed for transporting a transport target across a membrane that is impermeable or semi-permeable to the transport target via artificially created microchannels or through hypodermic microneedles. The transport target can be a medicant and the membrane can be a stratum corneum layer of skin. The transport is enhanced by the application of ultrasound energy having a high peak intensity, which generates an inertial cavitation effect, an acoustic streaming effect, or both.

IPC 8 full level

A61M 37/00 (2006.01)

CPC (source: EP KR)

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Citation (search report)

See references of WO 2016141136A1

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