

Title (en)

METHOD AND APPARATUS FOR PRODUCING HOMOGENOUS CAVITATION TO ENHANCE TRANSDERMAL TRANSPORT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN EINER HOMOGENEN KAVITATION ZUM STEIGERN EINES TRANSDERMALEN TRANSPORTS

Title (fr)

METHODE ET APPAREIL PERMETTANT DE PRODUIRE UNE CAVITATION HOMOGENE EN VUE D'UN TRANSPORT TRANSDERMIQUE

Publication

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Application

**EP 99966360 A 19991217**

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Abstract (en)

[origin: WO0035351A1] The present invention is directed to apparatus, and methods for producing homogenous cavitation. An ultrasound source comprising an ultrasound transmitting element (20) having an axis (5), and a cross section along the axis is disclosed. The ultrasound transmitting element also has a first axial end (1), and a second axial end (2) operable to produce ultrasonic waves. The cross section has an area having a maximum value at the first axial end, and a minimum value at the second axial end. A method for producing homogenous cavitation at an area of skin comprises creating a volume of fluid having a uniformly dispersed concentration of cavitation nuclei adjacent the area of skin. Ultrasound is then applied to the volume of fluid, and causes cavitation at the cavitation nuclei.

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Citation (search report)

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- [A] WO 9722325 A1 19970626 - SONEX INT CORP [US]
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- See references of WO 0035351A1

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