

Title (en)  
SKIN TREATMENT DEVICES AND METHODS

Title (de)  
VERFAHREN UND VORRICHTUNGEN ZUR HAUTBEHANDLUNG

Title (fr)  
DISPOSITIFS ET PROCÉDÉS DE TRAITEMENT DE LA PEAU

Publication  
**EP 3119307 A4 20171108 (EN)**

Application  
**EP 15764373 A 20150319**

Priority  
• US 201414220315 A 20140320  
• IL 2015050289 W 20150319

Abstract (en)  
[origin: WO2015140803A1] Radiofrequency (RF) skin treatment devices and methods are provided herein. RF energy is delivered via electrodes in a phase-controlled manner which heats skin volumes below the surface more than the skin surface itself. At least one electrode at least partially encloses at least one other electrode. The combination of controlling the phases of the RF energy delivered to different electrodes and the enclosing configuration of the electrodes allows concentrating the delivered energy in specific regions below the skin surface at a particularly high efficiency. Configurations of the enclosing and the enclosed electrodes, their forms and combinations with other electrodes and the phase polarities applied to the electrodes are also provided.

IPC 8 full level  
**A61B 18/14** (2006.01); **A61N 1/06** (2006.01); **A61N 1/32** (2006.01)

CPC (source: EP)  
**A61B 18/1206** (2013.01); **A61N 1/0476** (2013.01); **A61N 1/06** (2013.01); **A61N 1/328** (2013.01); **A61B 2018/00702** (2013.01); **A61B 2018/00875** (2013.01); **A61B 2018/124** (2013.01); **A61B 2018/142** (2013.01); **A61B 2018/1467** (2013.01)

Citation (search report)  
• [X] US 2007088413 A1 20070419 - WEBER BRYAN [US], et al  
• [X] US 2007293918 A1 20071220 - THOMPSON THOMAS C [US], et al  
• [X] WO 2012052986 A2 20120426 - SYNERON MEDICAL LTD [IL], et al  
• [X] JP 2011004882 A 20110113 - PANASONIC ELECTRIC WORKS CO LTD  
• [I] US 2013282085 A1 20131024 - LISCHINSKY DANIEL [IL], et al  
• [A] KR 101065611 B1 20110919 - EUNSUNG GLOBAL CORP [KR]  
• [A] EP 2291223 A1 20110309 - ISKRA MEDICAL D O O [SI]  
• See references of WO 2015140803A1

Designated contracting state (EPC)  
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