

Title (en)

Device and method for affecting capillary flow

Title (de)

Vorrichtung und Verfahren zum Beeinflussen von kapillaren Flußvorgängen

Title (fr)

Dispositif et procédé pour influencer l'écoulement capillaire

Publication

EP 1791137 B1 20090729 (DE)

Application

EP 06124630 A 20061123

Priority

DE 102005055889 A 20051123

Abstract (en)

[origin: EP1791137A1] The device has a coil producing high frequency electrical field, and an impulse generator (1) for charging the coil. The coil is a secondary coil (2) of a tesla air transformer (6), where a primary coil (3) of the transformer is electrically connected with the impulse generator. The primary and secondary coils are tesla coils with angle and several windings, where an end of the secondary coil having high potential is connected with an electrically conductive radiating surface that is formed as sphere (4). The end of the secondary coil turned away to the radiating surface is grounded. An independent claim is also included for a method for affecting a flow process of water in a capillary by a field coupler.

IPC 8 full level

H01F 5/00 (2006.01)

CPC (source: EP)

E04B 1/7007 (2013.01); **H01F 30/08** (2013.01); **H01Q 7/00** (2013.01); **H01F 7/20** (2013.01); **H01F 27/2804** (2013.01)

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DOCDB simple family (publication)

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