

Title (en)  
MULTI PULSE LINEAR IONIZER

Title (de)  
LINEARER IONISIERER MIT MEHRFACHIMPULS

Title (fr)  
IONISEUR MULTI-IMPULSION LINÉAIRE

Publication  
**EP 2812964 A1 20141217 (EN)**

Application  
**EP 12805532 A 20121108**

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Abstract (en)  
[origin: WO2013119283A1] An embodiment of the invention provides an apparatus and a method for generating ions within a space separating an emitter and a reference electrode, including: providing at least one pulse train to the emitter, the pulse train pair including a positive pulse train and a negative pulse train the alternate in sequence, the positive pulse train including a first plurality of ionizing positive voltage pulses during a positive phase and a second plurality of ionizing positive voltage pulses during an ionization frequency phase which occur after the positive phase, and the negative pulse train including a first plurality of ionizing negative voltage pulses during the ionization frequency phases a second plurality of ionizing negative voltage pulses during a negative phase which occur after the ionization frequency phase; wherein each of the first plurality of ionizing positive voltage pulses has a greater magnitude than a magnitude of each of the second plurality of ionizing positive voltage pulses; and wherein each of the first plurality of ionizing negative voltage waveform has a greater magnitude than a magnitude of each of the second plurality of ionizing negative voltage pulses.

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See references of WO 2013119283A1

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