

Title (en)
SYSTEM, METHOD AND APPARATUS FOR CREATING AN ELECTRIC GLOW DISCHARGE

Title (de)
SYSTEM, VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINER ELEKTRISCHEN GLIMMENTLADUNG

Title (fr)
SYSTÈME, PROCÉDÉ ET APPAREIL POUR CRÉER UNE DÉCHARGE LUMINESCENTE ÉLECTRIQUE

Publication
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Application
EP 08840081 A 20081016

Priority

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- US 98044307 P 20071016
- US 2838608 P 20080213

Abstract (en)
[origin: WO2009051834A2] The present invention provides system, method and apparatus for creating an electric glow discharge that includes a first and second electrically conductive screens having substantially equidistant a gap between them, one or more insulators attached to the electrically conductive screens, and a non-conductive granular material disposed within the gap. The electric glow discharge is created whenever: (a) the first electrically conductive screen is connected to an electrical power source such that it is a cathode, the second electrically conductive screen is connected to the electrical power supply such that it is an anode, and the electrically conductive fluid is introduced into the gap, or (b) both electrically conductive screens are connected to the electrical power supply such they are the cathode, and the electrically conductive fluid is introduced between both electrically conductive screens and an external anode connected to the electrical power supply.

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Cited by
US10060240B2; US10443365B2; US10458220B2; US10457853B2

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