

Title (en)  
Ionization apparatus

Title (de)  
Ionisierungsvorrichtung

Title (fr)  
Appareil d'ionisation

Publication  
**EP 2775577 A1 20140910 (EN)**

Application  
**EP 13001078 A 20130304**

Priority  
EP 13001078 A 20130304

Abstract (en)  
The invention is directed to a ionization apparatus comprising a housing (1) and at least partly within in the housing (1) a high voltage power supply arrangement (2) with at least one ion emitting electrode (3-5) connected thereto. It is proposed that a measuring arrangement (6) with at least one measuring electrode (7, 8) connected thereto is provided for detecting an indication for housing surface pollution (P) based on a change in complex resistance (  $Z'$  ) between at least one said ion emitting electrode (3-5) and at least one said measuring electrode (7, 8).

IPC 8 full level  
**H01T 23/00** (2006.01); **H01T 19/04** (2006.01); **H02H 7/00** (2006.01)

CPC (source: EP)  
**H01T 23/00** (2013.01); **H01T 19/04** (2013.01)

Citation (applicant)  
EP 2061124 A2 20090520 - ILLINOIS TOOL WORKS [US]

Citation (search report)

- [X] EP 0850759 A1 19980701 - SHINKO KK [JP]
- [A] JP 2002025791 A 20020125 - HUGLE ELECTRONICS INC
- [A] DE 102011017796 A1 20121031 - ILLINOIS TOOL WORKS [US]

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