

Title (en)

Device with intermittent contact improved by dielectrophoresis

Title (de)

Vorrichtung mit verbessertem intermittierendem Kontakt durch Dielektrophorese

Title (fr)

Dispositif à contact intermittent amélioré par diélectrophorèse

Publication

EP 2423929 B1 20160323 (FR)

Application

EP 11354040 A 20110823

Priority

FR 1003461 A 20100827

Abstract (en)

[origin: EP2423929A1] The device has a decontaminating device for decontaminating a portion of a contact area of a contact stud (3) of a substrate (1) using a decontamination electrode (5) by applying nonuniform electric field. Fluid e.g. gas, is provided between the contact stud and the decontamination electrode. The decontaminating device and the fluid are provided such that the electric field generates force directed toward the decontamination electrode on an organic contaminant by dielectrophoresis process. Another contact stud (4) is integrated to the substrate.

IPC 8 full level

H01H 1/00 (2006.01); **H01H 1/60** (2006.01)

CPC (source: EP US)

H01H 1/0036 (2013.01 - EP US); **H01H 1/60** (2013.01 - EP US); **H01H 59/0009** (2013.01 - EP US); **H01H 2059/009** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2423929 A1 20120229; **EP 2423929 B1 20160323**; FR 2964243 A1 20120302; US 2012048736 A1 20120301; US 8535503 B2 20130917

DOCDB simple family (application)

EP 11354040 A 20110823; FR 1003461 A 20100827; US 201113219943 A 20110829