

Title (en)

Electrode device with pre- and/or postfilters and manufacturing method therefor, as well as a mass spectrometer with such an electrode device

Title (de)

Elektroden-Vorrichtung mit Pre- und/oder Postfilter und Herstellungs-Verfahren hierzu sowie Massenspektrometer mit einer solchen Elektroden-Vorrichtung

Title (fr)

Dispositif d'électrodes doté de pré- et/ou de post-filtre et son procédé de fabrication et spectromètre de masse doté d'un tel dispositif d'électrodes

Publication

EP 2860752 B1 20170419 (DE)

Application

EP 14188177 A 20141008

Priority

DE 102013111254 A 20131011

Abstract (en)

[origin: US2015102213A1] A method manufactures a multipolar electrode device, in particular a multipole for use in a mass spectrometer, wherein the electrode device includes at least one main filter and at least one pre- and/or postfilter. The electrode blanks are separated in several sections for producing the pre- and/or postfilters, which are thereby maintained by a holder in a constant relative position to each other. Moreover, an electrode device may be used in a mass spectrometer and a mass spectrometer may have such a multipolar electrode device.

IPC 8 full level

H01J 49/06 (2006.01); **H01J 49/42** (2006.01)

CPC (source: EP US)

H01J 49/06 (2013.01 - US); **H01J 49/063** (2013.01 - EP US); **H01J 49/068** (2013.01 - US); **H01J 49/26** (2013.01 - US); **H01J 49/4215** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - 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 2860752 A1 20150415; **EP 2860752 B1 20170419**; DE 102013111254 A1 20150416; DE 102013111254 B4 20190425; US 2015102213 A1 20150416; US 9190252 B2 20151117

DOCDB simple family (application)

EP 14188177 A 20141008; DE 102013111254 A 20131011; US 201414511449 A 20141010