

Title (en)
MAGNETIC FIELD GENERATION APPARATUS FOR A MAGNETRON TUBE, MAGNETRON AND METHOD FOR REPLACING AN OLD MAGNETRON TUBE OF A MAGNETRON WITH A NEW MAGNETRON TUBE

Title (de)
MAGNETFELDERZEUGUNGSVORRICHTUNG FÜR EINE MAGNETRONRÖHRE, MAGNETRON UND VERFAHREN ZUM AUSTAUSCH EINER ALTEN MAGNETRONRÖHRE EINES MAGNETRONS GEGEN EINE NEUE MAGNETRONRÖHRE

Title (fr)
DISPOSITIF GÉNÉRATEUR DE CHAMP MAGNÉTIQUE POUR UN TUBE MAGNÉTRON, MAGNÉTRON ET PROCÉDÉ POUR REMPLACER UN VIEUX TUBE D'UN MAGNÉTRON PAR UN NOUVEAU TUBE

Publication
EP 3031067 A1 20160615 (DE)

Application
EP 14755994 A 20140808

Priority
• DE 102013108667 A 20130809
• EP 2014067060 W 20140808

Abstract (en)
[origin: WO2015018925A1] The invention relates to a magnetic field generation apparatus (2) for a magnetron (1) comprising a permanent magnet arrangement (4) and a magnetic field conductor device (6). The magnetic field conducting device (6) has a diverting element. The diverting element, which consists of a plurality of rectangular diverting segments, is arranged detachably on the magnetic field generation apparatus (2) during maintenance work in order to deflect a magnetic field generated by the permanent magnet arrangement (4) away from further components of the magnetic field generation apparatus (2) and components of the magnetron (1). The invention also relates to a magnetron (1) comprising a magnetron tube (3) and comprising a magnetic field generation apparatus (2). The magnetic field generation apparatus (2) is configured as described above. The invention additionally relates to a method for replacing an old magnetron tube (3) of a magnetron (1) as described above with a new magnetron tube (3). In a first step, the diverting element is arranged on the magnetic field generation apparatus (2). In a subsequent step, the old magnetron tube (3) is removed from the magnetron (1) and replaced with the new magnetron tube (3) in order to then remove the diverting element again.

IPC 8 full level
H01J 25/587 (2006.01); **H01J 23/12** (2006.01)

CPC (source: EP US)
H01F 7/0273 (2013.01 - US); **H01J 23/10** (2013.01 - EP US); **H01J 23/12** (2013.01 - EP US); **H01J 25/50** (2013.01 - EP US); **H01J 25/587** (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102013108667 A1 20150212; DE 102013108667 B4 20240314; CN 105706211 A 20160622; CN 105706211 B 20180427; EP 3031067 A1 20160615; US 2016163493 A1 20160609; US 9595414 B2 20170314; WO 2015018925 A1 20150212

DOCDB simple family (application)
DE 102013108667 A 20130809; CN 201480045159 A 20140808; EP 14755994 A 20140808; EP 2014067060 W 20140808; US 201414906299 A 20140808