

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

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Application

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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

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