

Title (en)

Apparatus for connecting vacuum pump frames to electron tubes

Title (de)

Einrichtung zum Verbinden von Vakuumpumpständen mit Elektronenröhren

Title (fr)

Appareil pour connecter des bâtis de pompe à vide aux tubes à électrons

Publication

EP 0734040 B1 20011219 (DE)

Application

EP 96103541 A 19960307

Priority

DE 19510727 A 19950324

Abstract (en)

[origin: EP0734040A1] The connection appts. connects a suction joint (1) of a vacuum pumping installation to the neck (10) of the tube in a jig with lateral guidance rollers (4) running on rails (6) whose profile causes levers (5) to be pivoted slightly outwards against compression springs (9). This movement varies the spacing between centring rollers (8) which guide the evacuation stem (11) of the tube safely into the sealing ring (13) of the suction joint. At the same time spring contacts (15) in a holder (16) are brought up to connections (12) with the tube cathode until contact is made with the roller (18) of a release unit (17).

IPC 1-7

H01J 9/385

IPC 8 full level

H01J 9/385 (2006.01)

CPC (source: EP US)

H01J 9/385 (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0734040 A1 19960925; EP 0734040 B1 20011219; AT E211302 T1 20020115; BR 9601075 A 19980106; CN 1137163 A 19961204; DE 19510727 A1 19960926; DE 59608474 D1 20020131; JP H08273545 A 19961018; MX PA96001080 A 20050714; TW 416570 U 20001221; US 5797782 A 19980825

DOCDB simple family (application)

EP 96103541 A 19960307; AT 96103541 T 19960307; BR 9601075 A 19960321; CN 96101975 A 19960322; DE 19510727 A 19950324; DE 59608474 T 19960307; JP 5316996 A 19960311; MX 9601080 A 19960322; TW 87222029 U 19960208; US 62252996 A 19960325