

Title (en)  
MULTI-STAGE DEPRESSED COLLECTOR FOR A MICROWAVE TUBE

Publication  
**EP 0038249 B1 19880706 (FR)**

Application  
**EP 81400541 A 19810403**

Priority  
FR 8008392 A 19800415

Abstract (en)  
[origin: US4398122A] The present invention relates to multistage vacuum collectors for ultra-high frequency tubes. Each electrode of the collector comprises two walls which are axially symmetrical with respect to the beam propagation axis and which are superimposed along said axis. The retarding path of the electrons due to the decreasing potentials of the electrodes is thus located in a small volume space between the facing walls of two adjacent electrodes. A plurality of permanent magnets positioned outside the vacuum enclosure above the final electrode produce an asymmetrical magnetic field with respect to the propagation axis. Application to travelling-wave tubes and klystrons.

IPC 1-7  
**H01J 23/027**

IPC 8 full level  
**H01J 23/027** (2006.01)

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Cited by  
GB2162684A; FR2742580A1; FR2659492A1; GB2251334A; GB2251334B; US5283534A

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