

Title (en)

DEVICE FOR THE SEPARATION OF CHARGED PARTICLES FROM A FLUID CURRENT

Publication

**EP 0277581 B1 19920122 (DE)**

Application

**EP 88101070 A 19880126**

Priority

DE 3703444 A 19870205

Abstract (en)

[origin: EP0277581A2] A device for the separation of electrically charged particles present in a flow medium from this flow medium and for the precipitation of the particles by means of an electrical and a magnetic field is described. For the selective separation of the particles of differing chemical composition, there is a throughflow apparatus (12, 14), the longitudinal axis of which is aligned with the direction of flow of the flow medium. There are electrodes (42, 44) which are oriented at least approximately parallel to the direction of flow of the flow medium. To generate a magnetic field within the throughflow apparatus (12, 14), a magnetic arrangement (40, 46) is provided. <IMAGE>

IPC 1-7

**B03C 1/00**

IPC 8 full level

**B03C 1/00** (2006.01); **B03C 1/023** (2006.01)

CPC (source: EP)

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Cited by

EP0374942A3; WO9115302A1

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**EP 0277581 A2 19880810**; **EP 0277581 A3 19891025**; **EP 0277581 B1 19920122**; AT E71855 T1 19920215; DE 3703444 C1 19880623; DE 3867857 D1 19920305

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