

Title (en)

DEVICE FOR THE SEPARATION OF CHARGED PARTICLES FROM A FLUID CURRENT

Publication

EP 0277581 A3 19891025 (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)

B03C 1/023 (2013.01); **B03C 1/0335** (2013.01); **B03C 1/288** (2013.01)

Citation (search report)

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- [A] EP 0125379 A2 19841121 - ENDO KEIKO [JP]
- [XP] DE 8701718 U1 19870402
- [X] SOVIET INVENTIONS ILLUSTRATED, Woche C41, 19. November 1980, Nr. 73104C/41, Derwent Publications Ltd, London, GB; & SU-A-718 127 (A.P. MAKAROV) 28-02-1980
- [A] SOVIET INVENTIONS ILLUSTRATED, Woche K39, 9. November 1983, Nr. 83-775633/39, Derwent Publications Ltd, London, GB; & SU-A-977 037 (NON-ORE CONS MAT INST) 30-11-1982

Cited by

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Designated contracting state (EPC)

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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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