

Title (en)

METHOD AND DEVICE FOR FERROHYDROSTATIC SEPARATION OF PARTICLES FROM A MECHANICAL MIXTURE

Publication

**EP 0426849 A4 19910619 (DE)**

Application

**EP 89909453 A 19890221**

Priority

SU 8900047 W 19890221

Abstract (en)

[origin: WO9009848A1] In a method of ferrohydrostatic separation of particles from a mechanical mixture the temperature of a ferromagnetic liquid (2) in a liquid column (h) is varied so that the temperature gradient along the height (h) of said column has a constant value and its vector is directed from the upper layer (4) of the liquid column (h) to the lower one (3). In a device for ferrohydromagnetic separation of said particles a recipient (6) with a ferromagnetic liquid (2) is provided with a heat exchanger (14) mounted along the longitudinal axis of the interpolar-space (1) and located in the liquid column (h) between the upper (4) and the lower (3) layer of the ferromagnetic liquid (2).

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IPC 8 full level

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CPC (source: EP)

**B03C 1/32** (2013.01)

Citation (search report)

- [A] US 3951784 A 19760420 - KAISER ROBERT, et al
- See references of WO 9009848A1

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DOCDB simple family (publication)

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