

Title (en)

PROCESSING REACTOR AND OPERATIONAL METHOD FOR ELECTRODYNAMIC FRAGMENTATION

Title (de)

PROZESSREAKTOR UND BETRIEBSVERFAHREN FÜR DIE ELEKTRODYNAMISCHE FRAGMENTIERUNG

Title (fr)

REACTEUR DE TRAITEMENT ET PROCEDE DE MISE EN ACTION POUR LA FRAGMENTATION ELECTRODYNAMIQUE

Publication

EP 1673172 A1 20060628 (DE)

Application

EP 04763842 A 20040806

Priority

- EP 2004008802 W 20040806
- DE 10346650 A 20031008

Abstract (en)

[origin: US2006163392A1] In a process reactor and a method for the electro-dynamic fragmentation of lumpy mineral materials by pulsed high voltage discharges, including a reaction chamber with a funnel-like bottom having a central outlet, an axially movable high-voltage electrode extending from the top into the reaction chamber and having a front end disposed opposite the central outlet where another electrode which is at an electric reference potential is disposed, the outlet converges into a tailback tube below which a transport unit for the controlled removal of the processed fragmented material sinking down through the tailback tube is disposed, a material supply arrangement extends to an opening in the wall of the reaction chamber and a material flow blocking structure is disposed in the reaction in front of the material inlet opening for controlling the material admission to, and the fill level in, the reaction chamber.

IPC 1-7

B02C 19/18

IPC 8 full level

B02C 19/18 (2006.01)

CPC (source: EP US)

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Citation (search report)

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