

Title (en)  
ASSEMBLY OF AN ELECTRODYNAMIC FRACTIONATING UNIT

Title (de)  
AUFBAU EINER ELEKTRODYNAMISCHEN FRAKTIONIERANLAGE

Title (fr)  
STRUCTURE D' INSTALLATION DE FRACTIONNEMENT ELECTRODYNAMIQUE

Publication  
**EP 1667798 A1 20060614 (DE)**

Application  
**EP 04764185 A 20040817**

Priority

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- DE 10346055 A 20031004

Abstract (en)  
[origin: US2007187539A1] The assembly of an electrodynamic fractionating unit, for the fragmentation, milling or suspension of a brittle, mineral process material is disclosed. The energy store including the output switch/spark gap thereof, the electrodes including the supply line and the reaction vessel are each arranged at least within the protection of the electrically necessary insulating separation of regions of differing electrical potential, completely enclosed in a volume of the encapsulation, having electrically-conducting walls. The wall thickness of the encapsulation is at least equivalent to the penetration depth, corresponding to the lowest components of the Fourier spectrum of the pulsed electromagnetic field. The electrode at reference potential is connected to the ground side of the energy store through the encapsulation wall. The electrode at high voltage is connected by the shortest path to the output switch on the energy store.

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