

Title (en)

Method and apparatus for crushing, dispersing, wetting and mixing of pumpable, non-magnetic multiphase mixtures

Title (de)

Verfahren und Vorrichtung zum Zerkleinern, Dispergieren, Benetzen und Mischen von pumpfähigen, unmagnetischen Mehrphasengemischen

Title (fr)

Procédé et appareil pour le broyage, dispersion, humidification et mélange de mélanges pompables, non-magnétiques, à phases multiples

Publication

EP 0510256 B1 19960313 (DE)

Application

EP 91120656 A 19911202

Priority

DE 4113490 A 19910425

Abstract (en)

[origin: EP0510256A1] Apparatus for crushing, dispersing, wetting and mixing pumpable, non-magnetic multiphase mixtures consists of a sealed-off annular gap chamber 1 whose annular gap forms a working chamber into which the material to be processed flows from below and flows out from the top. This annular gap chamber is formed by a double pipe whose outer pipe is surrounded by an outer exciter system 4 and whose inner pipe is surrounded by an inner exciter system 5. In the working chamber, in addition to the material to be processed, there are freely movable magnetic working bodies 7 which move inside the multiphase mixture, flowing through the annular gap chamber 1 in the direction of the circulating electromagnetic fields, and carry out translatory transverse movements and rocking movements. Inside the working chamber, or the annular gap, there is a flowing-in zone 13 and a flowing-out zone 14 which are each free of working bodies. <IMAGE>

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CPC (source: EP US)

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Cited by

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