

Title (en)
DEVICE AND METHOD FOR MICRONIZATION OF SOLID MATERIALS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR MIKRONISIERUNG VON FESTSTOFFEN

Title (fr)
DISPOSITIF ET PROCÉDÉ DE MICRONISATION DE MATÉRIAUX SOLIDES

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Abstract (en)
[origin: WO2018121803A1] The present invention relates to a micronization device comprising a cylindrical grinding chamber (30) without moving parts, means (4, 6) for supplying the ground material into the grinding chamber (30) at a supersonic speed, and means (331, 332, 333, 341, 342, 343) for supplying the carrier medium into the grinding chamber (30) at a supersonic speed, wherein said means are arranged so that the carrier medium supplied through said means (331, 332, 333, 341, 342, 343) creates at least two artificial cyclones in the grinding chamber (30), the at least two artificial cyclones rotating at supersonic speeds and in opposite directions, with a common axis of rotation, the common axis of rotation being identical with the central axis of the grinding chamber (30). The present invention further relates to a micronization method using the micronization device described above.

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