

Title (en)
APPARATUS FOR PROCESSING A MATERIAL

Title (de)
MATERIALBEARBEITUNGSVORRICHTUNG

Title (fr)
APPAREIL DE TRAITEMENT D'UN MATERIAU

Publication
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Application
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Priority
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Abstract (en)
[origin: WO9835756A1] Apparatus for processing a material comprising a cyclone chamber (70); an impeller suction fan (71) for creating a cyclonic air stream within the cyclone chamber (70), the fan (71) having an inlet (14) and an outlet for passage of the air stream therethrough; an a feed assembly (23) for feeding material into the path of the cyclonic air stream for processing the material in the cyclone chamber (70), wherein the cyclonic air stream includes non-conflicting effects of vacuum forming centripetal vortices, parts of which travel at supersonic speeds; series of harmonics and subsequent subharmonics inherent in the apparatus and induced; supersonic resonance; standing wave; thermal shock; pressure changes; cavitation; the stresses of which in combination convert the potential energy of material conveyed by the cyclonic air stream to kinetic energy and a fan therefor.

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IPC 8 full level
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