Title (en)

MICRONIZING APPARATUS

Publication

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Application

EP 88104020 A 19880314

Priority

IT 1244287 A 19870318

Abstract (en)

[origin: EP0282950A2] The flow of the product with a suitable particle size, which is to be processed, and of a conveying fluid such as ambient air, sucked by a machine connected to the outlet of the apparatus according to the invention, are fed with the possibility of a selective adjustment (2-7) to the centre (9) of a distributing disk (10) with vertical axis, which while being rotated evenly distributes the flow on the rough surface of a ring (12) where a first comminution of the product takes place. From this stage, the flow of product and air is conveyed to the centre of a second distributing disk (21) with vertical axis and of a greater diameter, which is rotated at a higher speed than the former and evenly distributes the said flow on a comminution ring (27) made of a hard material, and having a smooth surface suitably tapering in downward direction, such that some of the product will temporarily stay on the said ring and will be broken owing to the dynamic impact thereon of the product particles being progressively delivered from the near distributing disk. The air and product flow from this second comminution stage is conveyed together with a fresh, rate-adjustable ambient air flow, to the centre of a third rotary distributing disk with vertical axis, similar to the preceding disk, but preferably having a downwardly diverging conical shape. From this distributing disk, the air and product flow is evenly distributed on a near impact ring (36) just like the ring in the second stage, where a further comminution of the product is acheived. The flow of air and micronized product issues from the apparatus through a volute (37) and reaches decantation means.

IPC 1-7

B02C 19/00

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Cited by

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