

Title (en)

Arrangement for a drying and/or heating treatment and grinding of granular material.

Title (de)

Anlage zur Trocknungs- und/oder Heizungsbehandlung und Zerkleinerung von körnigem Material.

Title (fr)

Installation pour le traitement par séchage et/ou chauffage et broyage d'un matériau granuleux.

Publication

**EP 0039270 A2 19811104 (FR)**

Application

**EP 81400594 A 19810414**

Priority

FR 8009391 A 19800425

Abstract (en)

1. Installation for the treatment of a granular material by drying and/or heating and grinding, which comprises, a vertical chamber (1) for fluidisation treatment, a duct (2) for a gaseous fluidisation and entrainment agent leading into the bottom of the chamber, the chamber being fitted, in its lower part, with a rotatable member (5) for impact grinding, the axis (6) of the rotatable member being horizontal, the said chamber having a cross-section which is substantially constant over a height which is at least about 2.5 times the diameter of the rotating movable member, means (7) for introducing the granular material to be treated at the bottom of the said chamber, a pneumatic entrainment duct (9) for the treated material, connected to the upper part of the said fluidisation treatment chamber, and an intermediate zone of reduced apparent cross-section, the said cross-section being smaller than that of the other zones of the chamber but greater than that of the entrainment duct (9), characterised in that this intermediate zone of reduced apparent cross-section is located in the upper half of the vertical chamber (1), at about two-thirds of the height of the said vertical chamber (1).

Abstract (fr)

L'invention concerne une installation pour le traitement par séchage et/ou chauffage et broyage d'un matériau granuleux. Dans une enceinte 1 contenant un mobile de broyage 5 et alimentée en matériau granuleux par une conduite d'entraînement 2 pneumatique par des fumées chaudes, il est prévu environ, aux deux-tiers de la hauteur de l'enceinte 1, une zone intermédiaire de section apparente plus faible, constituée par des barreaux 10. L'invention s'applique notamment au préchauffage du charbon à cokéfier.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

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**EP 81400594 A 19810414**; AU 6980281 A 19810424; BR 8102316 A 19810414; CA 375689 A 19810416; DE 3171551 T 19810414; FR 8009391 A 19800425; JP 5935681 A 19810421; MX 18702081 A 19810424; ZA 812473 A 19810414