

Title (en)

Automatically operated burner of coal dust or any other solid fuel.

Title (de)

Automatisch arbeitender Brenner für Kohlenstaub oder für irgendeinen anderen festen Brennstoff.

Title (fr)

Brûleur automatique pour charbon pulvérisé ou autre combustible solide quelconque.

Publication

EP 0484302 A2 19920506 (EN)

Application

EP 91830476 A 19911031

Priority

IT 4843890 A 19901102

Abstract (en)

A burner of coal dust or any other powdery solid fuel includes a powder fuel metering device and an enbloc combustion head having horizontal axis which is supplied by said metering device and includes a plurality of tubular coaxial ducts, i.e. a central cylindrical duct for supplying coal dust mixed with air which is provided with an atomizing nozzle, a concentric tubular duct for the swirling air, a duct for the air-gas mixture which is provided with a ring of auxiliary firing holes, and a duct for the combustion air surrounding the whole assembly and provided at its end with a ring of holes converging to the axis and axially misaligned so as to cause the air to swirl. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

AT514131A1; AT514131B1; KR100887306B1; KR100910353B1; US7678167B2; WO2005094153A1; WO02076580A3

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