

Title (en)

Device for injecting solid fuels in atomised form into a cement kiln

Title (de)

Vorrichtung zur Einspritzung von festen Brennstoffen in zerstäubter Form in einem Zementofen

Title (fr)

Dispositif pour injecter des carburants solides atomisés dans un four de cimenterie

Publication

EP 1136776 B1 20060510 (EN)

Application

EP 01200982 A 20010316

Priority

IT MI20000598 A 20000322

Abstract (en)

[origin: EP1136776A2] A device (10) for injecting solid fuels in atomised form into a cement kiln (12) is installed at the mouth of a burner (11), and comprises a nozzle for liquid fuels (5), a first pipe (4), coaxial to the nozzle of liquid fuels (5), and an annular piping (1), for injecting the solid fuel in atomised form. In such device (10), the annular piping (1) is divided into a plurality of sectors (1a, 1b) converging towards the burner mouth, so as to allow the formation of alternate rich solid fuel flows, and poor solid fuel flows. The device (10) also exhibits an outside baffle (3) for addressing the primary and secondary air flows, maintaining them sufficiently separate for controlling the first stages of the combustion process relating to the NO_x formation. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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