

Title (en)

Method for minimising the NOx emissions from a combustion

Title (de)

Verfahren zur Minimierung der NOx-Emissionen aus einer Verbrennung

Title (fr)

Procédé pour la réduction au minimum des émissions de NOx dans une combustion

Publication

**EP 0483554 B1 19951220 (DE)**

Application

**EP 91117113 A 19911008**

Priority

CH 348790 A 19901102

Abstract (en)

[origin: EP0483554A1] To minimise the NOx emissions during the combustion of fuel by means of water, without running the risk of instead obtaining increased CO emissions, the sensitive ignition zones of a burner (A) are penetrated by compact water jets (11) (solid jets) where freshly fed fuel/air mixture is continuously re-ignited, in such a way that these zones are not disturbed. This prevents instabilities, flame pulsations and/or poor burn-off, which are responsible for a rapid increase in the CO emissions during the combustion. In the interior of the flame, the water jets (11) then burst open, and the water is distributed where it has a direct counter-effect on the NOx emissions. <IMAGE>

IPC 1-7

**F23L 7/00**; **F23D 11/40**; **F23D 17/00**

IPC 8 full level

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CPC (source: EP US)

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