

Title (en)
HEATING BOILER

Publication
EP 0387859 A3 19910724 (DE)

Application
EP 90104852 A 19900314

Priority
DE 3908296 A 19890314

Abstract (en)
[origin: EP0387859A2] Heating boiler with integrated waste gas recirculation for the combustion of liquid or gaseous fuel, having a furnace insert open in the direction of flow and a burner arranged on the front side, a part of the flue gas being recycled into the flame thereof for cooling the flame temperature and hence reducing the formation of NOx, in such a way that, in the interest of an overall optimised temperature characteristic, the flue gas fraction fed to the flame is tapped downstream of a first cooling section and passed into a region in the form of a cylindrical pipe around the flame formation zone.

IPC 1-7
F23C 9/08; F23M 9/06; F24H 1/28

IPC 8 full level
F23C 9/08 (2006.01); **F23M 9/06** (2006.01); **F24H 1/28** (2006.01)

CPC (source: EP)
F23C 9/08 (2013.01); **F23M 9/06** (2013.01); **F24H 1/282** (2013.01); **F23M 2900/09062** (2013.01)

Citation (search report)
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• [X] DE 2927193 A1 19810115 - KOERTING AG
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EP1431697A3; EP1004833A2

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