

Title (en)
LOW NOX FOSSIL-FUEL-FIRED STEAM GENERATOR

Publication
EP 0405087 B1 19930526 (DE)

Application
EP 90107819 A 19900425

Priority
DE 3921076 A 19890628

Abstract (en)
[origin: EP0405087A1] The known NOx-reducing measures (OFA, IFNR) are limited to ensure ignition stability and basic stability of the flame and complete burn-out, particularly in the case of fuels which are difficult to ignite and burn. The formation of NOx in the firing chamber is to be reduced further by the installation of heating surfaces. The further NOx reduction is accomplished by a welded tube belt (16) arranged in the centre of the firing chamber. An additional measure is to enlarge the quantity of recycled flue gas, for example through a second flue gas line (29), whereby the heat balance of the boiler is also regulated. <IMAGE>

IPC 1-7
F22B 31/00; **F22B 37/40**

IPC 8 full level
F22B 31/00 (2006.01); **F22B 37/40** (2006.01)

CPC (source: EP)
F22B 31/00 (2013.01); **F22B 37/40** (2013.01)

Designated contracting state (EPC)
DE GR NL SE

DOCDB simple family (publication)
EP 0405087 A1 19910102; **EP 0405087 B1 19930526**; DE 3921076 C1 19910207; DE 59001540 D1 19930701

DOCDB simple family (application)
EP 90107819 A 19900425; DE 3921076 A 19890628; DE 59001540 T 19900425