

Title (en)

Oil firing installation with reduced nitrogen oxide (NOx) - emissions

Title (de)

Ölfeuerungsanlage mit reduzierter Stickstoffoxid (NOx) - Emissionen

Title (fr)

Installation de chauffage à l'huile avec émissions réduites d'oxyde d'azote (NOx)

Publication

EP 0913631 B1 20030326 (DE)

Application

EP 98120860 A 19981103

Priority

DE 19748487 A 19971103

Abstract (en)

[origin: EP0913631A2] The oil-fired burner assembly has at least one central spray jet and associated ignition, with a fan blower for the combustion air which is fed through the flame tube surrounding the spray zone downstream of the jet. Further spray jets (2) are at equal intervals round the central spray jet (3), within the flame tube (1). The central jet (3) is a mixing spray jet with an air feed, flame stabilizer and ignition. A ring disk body (4) is between the central jet (3) and the surrounding jets (2).

IPC 1-7

F23D 11/40; **F23D 11/28**; **F23K 5/06**

IPC 8 full level

F23D 11/28 (2006.01); **F23D 11/40** (2006.01); **F23D 23/00** (2006.01); **F23K 5/06** (2006.01)

CPC (source: EP)

F23D 11/28 (2013.01); **F23D 11/406** (2013.01); **F23D 23/00** (2013.01); **F23K 5/06** (2013.01); **F23D 2900/11002** (2013.01)

Cited by

DE102016125526B3; WO2018114490A1; DE102007023299B4; CN110100133A; WO2009077408A3; US11187407B2; WO2008104158A3; WO2007134580A1; EP2126471B1

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