

Title (en)  
Furnace

Title (de)  
Feuerungsanlage

Title (fr)  
Foyer

Publication  
**EP 0629817 B1 19980819 (DE)**

Application  
**EP 94108586 A 19940604**

Priority  
DE 4320212 A 19930618

Abstract (en)  
[origin: EP0629817A2] In a furnace which essentially consists of a combustion chamber (11) with a pre-mixing burner (200), means (300) which consist of individual injector nozzles are used to form combustion air (15, 16) consisting of fresh air (19) and flue gas (20). These injector nozzles are located outside the interior space of the pre-mixing burner (200) but are placed in the inflow of the fresh air (19) to the interior space. The injector nozzles through which fresh air flows develop a suction effect relative to the flue gases (20) to form the combustion air (15, 16) for operating the pre-mixing burner (200). <IMAGE>

IPC 1-7  
**F23C 9/00**; **F23C 7/00**; **F23D 11/40**

IPC 8 full level  
**F23C 7/00** (2006.01); **F23C 9/00** (2006.01); **F23D 11/40** (2006.01)

CPC (source: EP US)  
**F23C 7/002** (2013.01 - EP US); **F23C 9/006** (2013.01 - EP US); **F23C 2202/30** (2013.01 - EP US); **F23C 2900/06041** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23C 2900/09002** (2013.01 - EP US)

Cited by  
WO2015140084A1; WO2015140085A1; DE102014205200B3; EP0881431A3; EP0777081A3; DE102014205198A1; CN106461209A; EP1262714A1; DE102014205201A1; EP0777082A3; US5727938A; EP0866267A1; US6009840A; EP0866269A1; US5961315A; EP0866268A1; US5961313A; EP0851176A3; US6672863B2; EP0777082A2

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