

Title (en)  
SWIRL ADJUSTING DEVICE FOR AIR AND COMBUSTION GASES IN BURNERS

Title (de)  
DRALLEINSTELLVORRICHTUNG FÜR LUFT UND BRENNGASE IN BRENNERN

Title (fr)  
DISPOSITIF DE REGULATION DU TOURBILLONNEMENT DE L'AIR ET DES GAZ DE COMBUSTION DANS DES BRULEURS

Publication  
**EP 0642645 B1 19970611 (DE)**

Application  
**EP 94914260 A 19940323**

Priority  
• AT 9400031 W 19940323  
• AT 59993 A 19930325

Abstract (en)  
[origin: WO9421963A1] A swirl adjusting device for air and combustion gases has a plurality of flexible tubes (3) with free ends (4) adjacent to the burner nozzle (2). The inclination of said free ends (4) in relation to the axis (9) of the burner may be adjusted during operation of the same. For that purpose, the ends of the flexible tubes (3) away from the burner nozzle are mounted in a common support (5) which is rotatively and/or axially movably mounted in the burner housing. The free ends (4) of the flexible tubes may also be swivelled and/or moved in their axial direction in the primary air channel.

IPC 1-7  
**F23C 7/00**

IPC 8 full level  
**F23C 7/00** (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)  
**F23C 7/002** (2013.01); **F23C 7/008** (2013.01); **F23D 14/24** (2013.01); **F23D 2900/14021** (2013.01); **F23D 2900/14241** (2013.01)

Cited by  
DE102004010063A1; US8449292B2; DE102007060090A1; WO2007054271A1

Designated contracting state (EPC)  
AT DE DK FR

DOCDB simple family (publication)  
**WO 9421963 A1 19940929**; AT E154427 T1 19970615; DE 59403095 D1 19970717; EP 0642645 A1 19950315; EP 0642645 B1 19970611

DOCDB simple family (application)  
**AT 9400031 W 19940323**; AT 94914260 T 19940323; DE 59403095 T 19940323; EP 94914260 A 19940323