

Title (en)
Air injection device for forced-draught burner

Title (de)
Luft einspritzvorrichtung für Gebläse brenner

Title (fr)
Dispositif d'injection d'air pour brûleur à air soufflé

Publication
EP 0736733 A3 19970423 (FR)

Application
EP 96420112 A 19960403

Priority
FR 9504432 A 19950407

Abstract (en)
[origin: EP0736733A2] The air outlet of the ventilator (3) and the air inlet of the duct (7) have a thin diaphragm (29) between them. The diaphragm is of a thermally insulating material which is relatively rigid. The centre of the diaphragm is pierced by a calibrated opening (31) to allow passage of a controlled amount of blown air (D1) which is guided by a circuit (6) towards the burners. Around the calibrated opening the diaphragm has a plane surface (33) to deflect back a part of the airflow towards the ventilator. The diaphragm can be inserted between flanges on the joint.

IPC 1-7
F23D 14/36

IPC 8 full level
F23D 14/36 (2006.01)

CPC (source: EP)
F23D 14/36 (2013.01)

Citation (search report)
• [X] US 4383820 A 19830517 - CAMACHO SALVADOR L
• [X] US 5171144 A 19921215 - GERSTMANN JOSEPH [US], et al

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0736733 A2 19961009; EP 0736733 A3 19970423; EP 0736733 B1 19990714; AT E182206 T1 19990715; DE 69603213 D1 19990819; FR 2732753 A1 19961011; FR 2732753 B1 19980522

DOCDB simple family (application)
EP 96420112 A 19960403; AT 96420112 T 19960403; DE 69603213 T 19960403; FR 9504432 A 19950407