

Title (en)

Method and device for igniting a gas fan burner

Title (de)

Verfahren und Vorrichtung zum Zünden eines Gasgebläsebrenners

Title (fr)

Procédé et dispositif d'allumage d'un brûleur à gaz à ventilation

Publication

**EP 0768493 A3 19980701 (DE)**

Application

**EP 96116065 A 19961008**

Priority

DE 19537773 A 19951011

Abstract (en)

[origin: EP0768493A2] The process ignites a gas-air mixture in a blast furnace (1), and has a gas supply which is applied to an airstream after a pre-ventilation phase, and after a subsequent reduction of the normal operating air pressure through a control valve (2). The rising pressure during the pre-ventilation phase causes a delayed lowering of the reduced normal operating air pressure of the furnace. During the lowering phase a quantity of gas is supplied to the air, which is larger than normal. A device to perform this process, and in which an aperture (7) is arranged in a control pressure pipe (6) from the air supply pipe (3) to the control valve, is also discussed.

IPC 1-7

**F23N 5/20**; **F23N 1/02**

IPC 8 full level

**F23N 1/02** (2006.01); **F23N 5/20** (2006.01)

CPC (source: EP)

**F23N 1/027** (2013.01); **F23N 5/20** (2013.01); **F23N 2233/06** (2020.01); **F23N 2235/18** (2020.01); **F23N 2235/20** (2020.01)

Citation (search report)

- [A] EP 0589404 A1 19940330 - GASTECHNIC PROD VERTRIEBGES [DE]
- [AD] DE 4308484 A1 19940922 - STIEBEL ELTRON GMBH & CO KG [DE]
- [A] DE 2708858 A1 19780907 - CALORIC GES APPARATEBAU
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 190 (M - 100) 4 December 1981 (1981-12-04)

Cited by

EP2592344A1; FR2982342A1; CN112503570A

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**EP 0768493 A2 19970416**; **EP 0768493 A3 19980701**; **EP 0768493 B1 20010606**; AT E201927 T1 20010615; DE 19537773 A1 19970417; DE 19537773 C2 19990729; DE 59607038 D1 20010712

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