

Title (en)

Gas-cleaning apparatus in gas pressure controlling outlet pipes of blast furnaces.

Title (de)

Vorreinigungseinrichtung in Druckausgleichleitungen von Schachtöfen.

Title (fr)

Installation d'épuration des gaz dans les conduites d'équilibrage de pression des hauts-fourneaux.

Publication

**EP 0059862 A1 19820915 (DE)**

Application

**EP 82101202 A 19820218**

Priority

LU 83161 A 19810223

Abstract (en)

[origin: US4416673A] Entrained particulate matter is separated from the pressurized gas released from an intermediate charge material storage hopper of a blast furnace charging installation, the hopper alternately being pressurized to the furnace pressure for release of charge materials into the furnace and the pressure being relieved to atmospheric to permit reloading, at a point upstream of the filters and/or silencers through which the pressurized gas is released to the ambient atmosphere. The separator comprises a series of perforated discs, which may be heated, associated with a collection chamber into which separated material will fall under the influence of gravity.

Abstract (de)

In einer Druckausgleichleitung eines mit Gegendruck betriebenen Hochofens, welche jeden Materialbunker über Schalldämpfer und Materialfilter entlastet, ist eine Reinigungsvorrichtung (8) vorgesehen, welche eine Anzahl elektrisch geheizte Lochscheiben (20) enthält an welchen Staubpartikeln und Kondenswasser ausgeschieden werden.

IPC 1-7

**F27D 17/00**; **C21B 7/00**; **C21B 7/18**; **F27B 1/10**

IPC 8 full level

**C21B 7/00** (2006.01); **C21B 7/18** (2006.01); **F27B 1/10** (2006.01); **F27D 17/00** (2006.01)

CPC (source: EP US)

**C21B 7/00** (2013.01 - EP US); **C21B 7/18** (2013.01 - EP US); **F27B 1/10** (2013.01 - EP US); **F27D 17/001** (2013.01 - EP US)

Citation (search report)

- [A] FR 2361142 A1 19780310 - TAKASAGO THERMAL ENGINEERING [JP]
- [A] US 3854908 A 19741217 - HAUSBERG G, et al
- [A] FR 2329750 A2 19770527 - BISCHOFF GASREINIGUNG [DE]

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Designated contracting state (EPC)

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**EP 0059862 A1 19820915**; CA 1187695 A 19850528; LU 83161 A1 19820910; US 4416673 A 19831122

DOCDB simple family (application)

**EP 82101202 A 19820218**; CA 396516 A 19820218; LU 83161 A 19810223; US 35025382 A 19820219