

Title (en)

Fluidized bed furnace with internal gas combustion.

Title (de)

Wirbelbettöfen mit interner Gasverbrennung.

Title (fr)

Lit fluidisé avec combustion interne de gaz.

Publication

**EP 0479378 A1 19920408 (EN)**

Application

**EP 91202512 A 19910927**

Priority

BE 9000934 A 19901002

Abstract (en)

Fluidized bed with controllable gas flame in the bed. The supply arrangement for the carrying gas comprises, in addition to an inlet for fuel gas (7) and an inlet for the air (6), a third inlet for flue gases (8). The regulation of the fluidized bed temperature, of the flow rate of carrying gas, and of the air to fuel gas ratio occurs by steering of the flow rates at the three inlets. Application in particular to the continuous patenting of steel wires.  
<IMAGE>

IPC 1-7

**C21D 1/53**; **F27B 15/18**

IPC 8 full level

**C21D 1/53** (2006.01); **C21D 9/567** (2006.01); **F27B 15/18** (2006.01)

CPC (source: EP)

**C21D 1/53** (2013.01); **C21D 9/567** (2013.01); **F27B 15/18** (2013.01)

Citation (search report)

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- [A] DE 3734168 C1 19890105 - SCHWING EWALD, et al
- [A] US 4242077 A 19801230 - HYRE CHARLES E [US]
- [AD] EP 0181653 A1 19860521 - BEKAERT SA NV [BE]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 472 (C-647)[3820], 25th October 1989; & JP-A-1 184 221 (KOMATSU LTD) 21-07-1989

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Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

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