

Title (en)

PROCESS FOR OPERATING A CUPOLA FURNACE

Publication

**EP 0336121 A3 19910403 (DE)**

Application

**EP 89103823 A 19890304**

Priority

DE 3811166 A 19880331

Abstract (en)

[origin: EP0336121A2] In a process for producing cast iron in various grades of different carbon contents, a cast iron grade of a defined charge make-up, essentially consisting of defined proportions of iron, coke and limestone, is produced. A different cast iron grade requires a charge of correspondingly different composition. To make the operation of a cupola furnace more flexible, carbon-containing material is introduced into the cupola furnace in the form of dust to influence the carbon content of the iron produced, namely in a quantity depending on the carbon content of the cast iron grade to be produced.

IPC 1-7

**C21B 11/02**; **F27B 1/08**

IPC 8 full level

**C21B 11/02** (2006.01); **C21C 1/08** (2006.01); **F27B 1/08** (2006.01); **F27B 1/20** (2006.01)

CPC (source: EP)

**C21B 11/02** (2013.01); **C21C 1/08** (2013.01); **F27B 1/20** (2013.01)

Citation (search report)

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- [A] GB 109452 A
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- [A] DE 1433357 A1 19681219 - REXROTH ALFRED
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Designated contracting state (EPC)

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**EP 0336121 A2 19891011**; **EP 0336121 A3 19910403**; **EP 0336121 B1 19940928**; AT E112325 T1 19941015; BR 8901468 A 19891114; DE 3811166 A1 19891019; DE 58908426 D1 19941103; ZA 892304 B 19891129

DOCDB simple family (application)

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