

Title (en)
Method for controlling the charging of a shaft furnace.

Title (de)
Verfahren zum Kontrollieren der Beschickung eines Schachtofens.

Title (fr)
Procédé de contrôle du chargement d'un four à cuve.

Publication
EP 0204935 A1 19861217 (FR)

Application
EP 86105644 A 19860423

Priority
LU 85892 A 19850510

Abstract (en)
[origin: ES8703618A1] A process for controlling the charging of a shaft furnace of the type utilizing a distribution spout and one or more storage hoppers with each hopper being provided with a dosing device for regulating the flow of charging material from the hopper to the spout. The shaft furnace also includes a weighing system to determine the contents (weight) of the hopper and to adjust the position of the dosing device wherein the dosing valve is opened whenever the real flow Q_r is below the reference flow Q_c and is held in position when the real flow Q_r is above the reference flow Q_c .

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C21B 7/18; **F27B 1/20**

IPC 8 full level
C21B 7/18 (2006.01); **C21B 7/20** (2006.01); **F27B 1/20** (2006.01); **F27B 1/26** (2006.01); **F27D 3/10** (2006.01)

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C21B 7/18 (2013.01 - EP KR US); **C21B 7/20** (2013.01 - EP US); **F27B 1/20** (2013.01 - EP US)

Citation (search report)

- [A] JP S4913122 A 19740205
- [A] EP 0090923 A1 19831012 - KRUPP POLYSIUS AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 175 (C - 292)<1898> 19 July 1985 (1985-07-19)
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 273 (C - 256)<1710> 13 December 1984 (1984-12-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 011 (C - 88)<889> 22 January 1982 (1982-01-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 104 (C - 279)<1827> 8 May 1985 (1985-05-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 171 (C - 291)<1894> 16 July 1985 (1985-07-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 106 (C - 62)<778> 10 July 1981 (1981-07-10)

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