

Title (en)

METHOD FOR SINTERING MATERIALS CONTAINING IRON OXIDE IN A SINTERING MACHINE

Title (de)

VERFAHREN ZUM SINTERN VON EISENOXIDHALTIGEN STOFFEN AUF EINER SINTERMASCHINE

Title (fr)

PROCEDE DE FRITTAGE DE MATIERES CONTENANT DE L'OXYDE DE FER SUR UNE MACHINE DE FRITTAGE

Publication

**EP 1507877 A1 20050223 (DE)**

Application

**EP 03740059 A 20030527**

Priority

- DE 0301813 W 20030527
- DE 10224448 A 20020529

Abstract (en)

[origin: WO03102252A1] The invention relates to a method for sintering materials containing iron oxide in a sintering machine. According to said method, a sinter mixture containing a solid fuel is ignited, gases containing oxygen are conducted through the sinter mixture and the hot final sinter product is cooled after discharge. One portion of the waste gas is returned to the sintering machine as recycled gas and the other portion of the waste gas is evacuated as residual gas. The division of the total waste gas quantity into recycled gas and residual gas is achieved by a variation of the process surface (sinter strand).

IPC 1-7

**C22B 1/20**; **F27B 21/06**

IPC 8 full level

**C22B 1/20** (2006.01); **F27B 21/06** (2006.01); **F27B 21/08** (2006.01)

CPC (source: EP KR)

**C22B 1/20** (2013.01 - KR); **C22B 1/205** (2013.01 - EP); **F27B 21/06** (2013.01 - EP KR)

Citation (search report)

See references of WO 03102252A1

Cited by

CN105091615A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 03102252 A1 20031211**; AT E359379 T1 20070515; AU 2003273380 A1 20031219; DE 10224448 A1 20031218; DE 10224448 B4 20041216; DE 50307021 D1 20070524; EP 1507877 A1 20050223; EP 1507877 B1 20070411; JP 2005530923 A 20051013; KR 20050004890 A 20050112

DOCDB simple family (application)

**DE 0301813 W 20030527**; AT 03740059 T 20030527; AU 2003273380 A 20030527; DE 10224448 A 20020529; DE 50307021 T 20030527; EP 03740059 A 20030527; JP 2004510487 A 20030527; KR 20047019339 A 20030527