

Title (en)

Iron ore sintering process with reduced emissions of toxic gases by waste gas recirculation

Title (de)

Eisenerzsinterverfahren mit Abgasrückführung zur Verringerung der Schadstoffemissionen

Title (fr)

Agglomération de minéral de fer à émissions réduites de gaz toxiques par recirculation des effluents gazeux

Publication

EP 1038980 A3 20001206 (EN)

Application

EP 00301900 A 20000308

Priority

GB 9906323 A 19990319

Abstract (en)

[origin: EP1038980A2] A method of sintering iron ore in a sinter strand comprises providing a sinter feedstock and depositing said feedstock onto a travelling grate, igniting said feedstock using a sinter strand burner(s), and combusting said feedstock by drawing air through the feedstock with a plurality of wind boxes situated along the length of the strand, to produce sintered products rich in iron and waste gases. Waste gases from only those wind boxes whose temperature exceeds a predetermined level (200-250 DEG C) are recycled to provide combustion feed air for the feedstock or air for the sinter strand ignition burner(s), thereby substantially reducing or eliminating the production and/or emission of dioxins. <IMAGE>

IPC 1-7

C22B 1/20

IPC 8 full level

C22B 1/20 (2006.01)

CPC (source: EP)

C22B 1/205 (2013.01)

Citation (search report)

- [XA] BE 877216 A 19791224 - CENTRE RECH METALLURGIQUE
- [X] GB 707583 A 19540421 - METALLGESELLSCHAFT AG
- [X] FR 2444720 A1 19800718 - DELATTRE LEVIVIER

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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