

Title (en)

MIXED BED IRON REDUCTION PROCESS

Title (de)

MISCHBETT-EISENREDUKTIONSVERFAHREN

Title (fr)

PROCEDE DE REDUCTION DE FER A LIT MELANGE

Publication

EP 1017858 A1 20000712 (EN)

Application

EP 98918362 A 19980422

Priority

- US 9807777 W 19980422
- US 84146897 A 19970422

Abstract (en)

[origin: CA2288095A1] The present invention provides a method for producing direct reduced iron in a continuous and efficient fashion, which includes providing a mixture of a particulate iron oxide composition and a particulate carbonaceous reductant composition; the mixture being substantially unagglomerated and having a moisture content of less than about 14 % water by weight; positioning the mixture onto a rotary hearth furnace; subjecting the mixture to reducing conditions to reduce a substantial portion of the iron oxide, thereby producing sponge iron; and discharging the sponge iron from the rotary hearth furnace.

IPC 1-7

C21B 11/08

IPC 8 full level

C21B 13/10 (2006.01); **C21B 11/08** (2006.01)

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BR 9809287 A 20010724; CA 2288095 A1 19981029; EP 1017858 A1 20000712; EP 1017858 A4 20000719; JP 2001522405 A 20011113; KR 20010020219 A 20010315

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