

Title (en)

PROCESS FOR MAKING PIG IRON IN A BLAST FURNACE

Title (de)

HERSTELLUNGSVERFAHREN FÜR ROHEISEN IN EINEM HOCHOFEN

Title (fr)

PROCÉDÉ DE RÉALISATION DE FONTE BRUTE DANS UN HAUT-FOURNEAU

Publication

EP 2099939 A2 20090916 (EN)

Application

EP 07858147 A 20071226

Priority

- EP 2007064550 W 20071226
- EP 06301309 A 20061229
- EP 07858147 A 20071226

Abstract (en)

[origin: EP1939305A1] A process for making pig iron in a blast furnace, wherein supersonic oxygen containing gas is injected at the bottom of the furnace and reaches the dead man zone at a velocity which is high enough to substantially avoid the deposition of coal fines in said zone while at the same time the PCI rate may be increased.

IPC 8 full level

C21B 5/00 (2006.01); **C21B 7/16** (2006.01)

CPC (source: EP KR)

C21B 5/00 (2013.01 - KR); **C21B 5/003** (2013.01 - EP); **C21B 7/16** (2013.01 - KR); **C21B 7/163** (2013.01 - EP); **F23D 1/00** (2013.01 - EP); **F23L 7/007** (2013.01 - EP); **F23L 15/00** (2013.01 - EP); **F27B 1/08** (2013.01 - EP); **F27B 1/16** (2013.01 - EP); **F27D 3/18** (2013.01 - EP); **F23L 2900/00001** (2013.01 - EP); **Y02E 20/34** (2013.01 - EP); **Y02P 10/32** (2015.11 - EP)

Citation (search report)

See references of WO 2008080922A2

Citation (examination)

- US 5522916 A 19960604 - KARINTHI PIERRE [FR], et al
- US 5946340 A 19990831 - RAMTHUN JOSEF [DE], et al

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EP 06301309 A 20061229; CN 200780048695 A 20071226; EP 07858147 A 20071226; EP 2007064550 W 20071226; KR 20097013290 A 20071226