

Title (en)  
METHOD AND DEVICE FOR PRODUCING METALS AND/OR METAL INITIAL PRODUCTS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON METALLEN UND/ODER METALLVORPRODUKTEN

Title (fr)  
PROCEDE ET DISPOSITIF POUR FABRIQUER DES METAUX ET/OU DES ARTICLES METALLIQUES SEMI-FINIS

Publication  
**EP 1831406 B1 20091125 (DE)**

Application  
**EP 05812354 A 20051206**

Priority  
• EP 2005013042 W 20051206  
• AT 21682004 A 20041223

Abstract (en)  
[origin: AT413821B] In process and assembly to make iron products iron granules or particles are delivered to a furnace by pneumatic action of a transport gas. The gas is surrendered to the crucible after removal of the transport gas from the particles. The iron particles are discharged to the crucible through two or more separate inlets. The iron particles are introduced either continually or in batches.

IPC 8 full level  
**C21B 13/14** (2006.01); **C21B 13/00** (2006.01); **F27D 3/00** (2006.01)

CPC (source: EP KR US)  
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DOCDB simple family (publication)  
**AT 413821 B 20060615**; **AT A21682004 A 20051015**; AT E449871 T1 20091215; AU 2005324161 A1 20060713; AU 2005324161 A2 20060713; AU 2005324161 B2 20110120; BR PI0519403 A2 20090120; BR PI0519403 B1 20160329; CA 2591792 A1 20060713; CA 2591792 C 20140121; CN 101128607 A 20080220; CN 101128607 B 20140924; DE 502005008597 D1 20100107; EP 1831406 A1 20070912; EP 1831406 B1 20091125; JP 2008525632 A 20080717; JP 5034013 B2 20120926; KR 101215484 B1 20121226; KR 20070091347 A 20070910; RU 2007127837 A 20090127; RU 2397252 C2 20100820; TW 200641142 A 20061201; TW I417390 B 20131201; UA 88796 C2 20091125; US 2008047397 A1 20080228; US 2012313300 A1 20121213; US 8236090 B2 20120807; US 8361189 B2 20130129; WO 2006072308 A1 20060713; ZA 200705780 B 20090128

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