

Title (en)  
APPARATUS FOR MANUFACTURING COMPACTED IRONS OF REDUCED MATERIALS COMPRISING FINE DIRECT REDUCED IRONS AND APPARATUS FOR MANUFACTURING MOLTEN IRONS USING THE SAME.

Title (de)  
VORRICHTUNG ZUR HERSTELLUNG VON KOMPAKTIERTEM EISEN AUS REDUZIERTEN EISENHALTIGEN FEINMATERIALIEN UND ANLAGE ZUR HERSTELLUNG VON SCHMELZFLÜSSIGEM EISEN UNTER VERWENDUNG DIESER VORRICHTUNG

Title (fr)  
DISPOSITIF POUR FABRIQUER DU FER COMPACTÉ À PARTIR DE FINES DE RÉDUCTION DIRECTE FERRUGINEUSES ET INSTALLATION POUR PRODUIRE DU FER FONDU UTILISANT UN TEL DISPOSITIF

Publication  
**EP 1781829 A1 20070509 (EN)**

Application  
**EP 05761282 A 20050715**

Priority  
• KR 2005002281 W 20050715  
• KR 20040055557 A 20040716

Abstract (en)  
[origin: WO2006009371A1] The present invention relates to an apparatus for manufacturing compacted irons and an apparatus for manufacturing molten irons using the same. For this, the apparatus for manufacturing compacted irons according to the present invention includes a couple of rolls and a roll casing. The couple of rolls compress reduced materials containing fine reduced irons, manufacture the compacted irons, and form a gap by being separated from each other. The roll casing is located outside of the couple of rolls and has at least one opening. Sealing plates are attached to an inner surface and an outer surface at the opening of the roll casing, respectively. A sliding tube, both ends of which the sealing plates are fixedly combined with, is closely adhered to a penetrating member penetrating the opening. According to the above present invention, it is possible to manufacture compacted irons having good quality.

IPC 8 full level  
**C22B 1/16** (2006.01); **B22F 3/03** (2006.01); **B30B 11/18** (2006.01); **B30B 15/00** (2006.01); **C21B 13/14** (2006.01); **C22B 1/24** (2006.01); **C22B 1/248** (2006.01)

CPC (source: EP KR)  
**B30B 11/18** (2013.01 - EP); **B30B 15/308** (2013.01 - EP); **C21B 13/00** (2013.01 - EP); **C21B 13/002** (2013.01 - EP); **C21B 13/14** (2013.01 - EP); **C22B 1/16** (2013.01 - KR); **C22B 1/248** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006009371 A1 20060126**; AT E432998 T1 20090615; BR PI0506141 A 20061024; BR PI0506141 B1 20140415; CN 100529119 C 20090819; CN 1842607 A 20061004; DE 602005014784 D1 20090716; EP 1781829 A1 20070509; EP 1781829 A4 20080521; EP 1781829 B1 20090603; EP 1781829 B8 20091125; KR 101036645 B1 20110524; KR 20060006494 A 20060119; ZA 200601409 B 20070530

DOCDB simple family (application)  
**KR 2005002281 W 20050715**; AT 05761282 T 20050715; BR PI0506141 A 20050715; CN 200580000882 A 20050715; DE 602005014784 T 20050715; EP 05761282 A 20050715; KR 20040055557 A 20040716; ZA 200601409 A 20060217