

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 MATERIALIEN, DIE FEINES DIREKT REDUZIERTES EISEN UMFASSEN, UND VORRICHTUNG ZUR HERSTELLUNG VON SCHMELZFLÜSSIGEM EISEN

Title (fr)

APPAREIL POUR LA FABRICATION DE BOULETTES DE FER COMPRIMEES DE MATERIAUX REDUITS COMPORTANT DES PARTICULES FERS REDUITES DIRECTES FINES ET APPAREIL POUR LA FABRICATION DE BOULETTES DE FER EN FUSION UTILISANT UN TEL DISPOSITIF

Publication

EP 1776484 B1 20120314 (EN)

Application

EP 05756726 A 20050630

Priority

- KR 2005002065 W 20050630
- KR 20040050469 A 20040630
- KR 20040055556 A 20040716

Abstract (en)

[origin: WO2006004350A1] The present invention relates to an apparatus for manufacturing compacted irons and an apparatus for manufacturing molten irons using the same. The apparatus for manufacturing compacted irons according to the present invention includes a charging hopper into which reduced materials containing fine reduced irons are charged; a couple of rolls separated from each other to form a gap between the rolls; and a couple of cheek plates installed on the sides of the couple of rolls. The charging hopper includes guide tubes extending downward. The couple of rolls compact the reduced materials containing fine reduced irons discharged from the charging hopper and manufacture compacted irons. The couple of cheek plates prevent leakage of the reduced materials containing fine reduce irons charged into the gap and are overlapped with the guide tubes in the axis direction of the rolls.

IPC 8 full level

C22B 1/16 (2006.01)

CPC (source: EP)

B30B 15/308 (2013.01); **C22B 1/248** (2013.01)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006004350 A1 20060112; AT E549424 T1 20120315; BR PI0506142 A 20061003; BR PI0506142 A8 20171107; BR PI0506142 B1 20131001; BR PI0506142 B8 20171219; EP 1776484 A1 20070425; EP 1776484 A4 20071226; EP 1776484 B1 20120314; EP 2314723 A1 20110427; EP 2314723 B1 20160330; RU 2007101512 A 20080810; RU 2354721 C2 20090510

DOCDB simple family (application)

KR 2005002065 W 20050630; AT 05756726 T 20050630; BR PI0506142 A 20050630; EP 05756726 A 20050630; EP 10194663 A 20050630; RU 2007101512 A 20050630