

Title (en)
METHOD FOR MANUFACTURING BRIQUETTES AND REDUCED IRON

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BRIKETTS UND REDUZIERTEM EISEN

Title (fr)
PROCÉDÉ DE FABRICATION DE BRIQUETTES ET DE FER RÉDUIT

Publication
EP 3026129 A4 20170308 (EN)

Application
EP 14829405 A 20140526

Priority
• JP 2013154793 A 20130725
• JP 2014063829 W 20140526

Abstract (en)
[origin: EP3026129A1] Provided is a method for manufacturing briquettes through pelletization such that a fine iron oxide-containing powder wherein 50% of particles are 2 µm or smaller can be utilized as starting material for iron manufacture. Another purpose is to provide a technique for manufacturing reduced iron from briquettes obtained by briquetting. The method for manufacturing briquettes includes a step of heat treating an iron oxide-containing powder wherein 50% of particles are 2 µm or smaller at a temperature of 900-1,200 °C, and a step of pelletizing the resulting heat-treated powder as a starting material for manufacturing briquettes.

IPC 8 full level
C22B 1/24 (2006.01); **C21B 13/00** (2006.01); **C22B 1/16** (2006.01)

CPC (source: EP RU US)
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Citation (search report)
• [A] AU 2009271984 B2 20120322 - JFE STEEL CORP [JP], et al
• [A] US 5560762 A 19961001 - BRESSER WOLFGANG [DE], et al
• [A] CA 2378956 A1 20010201 - VOEST ALPINE IND ANLAGEN [AT]
• See references of WO 2015011981A1

Designated contracting state (EPC)
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