

Title (en)
PROCESS FOR HOT BRIQUETING GRANULAR SPONGE IRON

Title (de)
VERFAHREN ZUM HEISSBRIKETTIEREN VON KÖRNIGEM EISENSCHWAMM

Title (fr)
PROCEDE DE BRIQUETAGE A CHAUD D'EPONGE DE FER GRANULEUSE

Publication
EP 0865505 B1 19990526 (DE)

Application
EP 96943042 A 19961205

Priority
• DE 19545985 A 19951209
• EP 9605446 W 19961205

Abstract (en)
[origin: DE19545985A1] The granular sponge iron is fed into a roller press at temperatures of 600-850 DEG C to form hot briquets. A strip structure is thereby formed from sponge iron with ausformed hot briquets separated from one another by gaps. The strip structure is smashed to isolate the hot briquets, during this operation fragments of strip structure are produced. The hot briquets and at least some of the fragments are cooled to between 20 and 400 DEG C and the cooled briquets and fragments are led through a revolving drum. Inside the latter, fine-grained abrasion material is produced from the briquets and fragments. This is then separated from the briquets and fragments since it is pyrophorous.

IPC 1-7
C21B 13/00

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

CPC (source: EP KR US)
C21B 13/00 (2013.01 - KR); **C21B 13/0086** (2013.01 - EP US); **C22B 1/24** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE DK ES FR GB IT NL SE

DOCDB simple family (publication)
DE 19545985 A1 19970612; AR 004865 A1 19990310; AU 1191097 A 19970703; AU 705558 B2 19990527; CA 2238383 A1 19970619; CA 2238383 C 20040518; DE 59602029 D1 19990701; EA 000266 B1 19990225; EA 199800543 A1 19981224; EP 0865505 A1 19980923; EP 0865505 B1 19990526; ES 2131970 T3 19990801; IN 190918 B 20030830; KR 100444249 B1 20041117; KR 19990072021 A 19990927; MX 9804595 A 19981031; MY 115660 A 20030830; US 6074456 A 20000613; WO 9721840 A1 19970619; ZA 9610347 B 19980609

DOCDB simple family (application)
DE 19545985 A 19951209; AR P960105506 A 19961205; AU 1191097 A 19961205; CA 2238383 A 19961205; DE 59602029 T 19961205; EA 199800543 A 19961205; EP 9605446 W 19961205; EP 96943042 A 19961205; ES 96943042 T 19961205; IN 2084CA1996 A 19961203; KR 19980704314 A 19980609; MX 9804595 A 19980609; MY PI9605150 A 19961207; US 7778098 A 19981221; ZA 9610347 A 19961209