Title (en)

IRON ORE BRIQUETTING

Title (de)

EISENERZBRIKETTIERUNG

Title (fr)

BRIQUETAGE DE MINERAI DE FER

Publication

EP 1423545 B1 20100428 (EN)

Application

EP 02764361 A 20020802

Priority

- AU 0201033 W 20020802
- AU PR678301 A 20010802

Abstract (en)

[origin: WO03012154A1] A method of producing an agglomerated product, such as a briquette, from hydrated iron ores that is suitable for use as a blast furnace or other direct reduction furnace feedstock which includes the steps of: (1) mixing hydrated iron ore and a flux to form an ore/flux mixture; (2) adjusting the water content of the ore prior to or during mixing step (1) to optimise product quality and product yield; (3) pressing the ore/flux mixture into a green agglomerated product; and (4) indurating the green product to form a fired product, the indurating step including heating the green product to a firing temperature at a fast rate.

IPC 8 full level

C22B 1/14 (2006.01); **C22B 1/16** (2006.01); **C21B 5/00** (2006.01); **C21B 11/00** (2006.01); **C22B 1/24** (2006.01); **C22B 1/243** (2006.01); **C22B 1/248** (2006.01)

CPC (source: EP KR US)

B30B 11/16 (2013.01 - EP US); **C22B 1/14** (2013.01 - KR); **C22B 1/24** (2013.01 - EP US); **C22B 1/2413** (2013.01 - EP US); **C22B 1/243** (2013.01 - EP US); **C22B 1/248** (2013.01 - EP US)

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WO 03012154 A1 20030213; AT E466112 T1 20100515; AT E473303 T1 20100715; AU 2002322154 B2 20080131; AU 2002325621 B2 20081023; AU 2002328650 B2 20080117; AU PR678301 A0 20010823; BR 0211877 A 20040921; BR 0211877 B1 20110726; BR 0211944 A 20040928; BR 0211944 B1 20120904; BR 0211944 B8 20130416; CA 2456188 A1 20030213; CA 2456188 C 20101026; CA 2456191 A1 20030213; CA 2456191 C 20101026; CN 100430496 C 20081105; CN 1307317 C 20070328; CN 1561400 A 20050105; CN 1564874 A 20050112; DE 60236172 D1 20100610; DE 60236945 D1 20100819; EP 1423545 A1 20040602; EP 1423545 A4 20040818; EP 1423545 B1 20100428; EP 1425427 A1 20040609; EP 1425427 A4 20040818; EP 1425427 B1 20100707; JP 2004536968 A 20041209; JP 2004536969 A 20041209; JP 2011017083 A 20110127; JP 5253701 B2 20130731; JP 5389308 B2 20140115; KR 101067460 B1 20110927; KR 101068600 B1 20110930; KR 20040044189 A 20040527; KR 20040053106 A 20040623; KR 20100113177 A 20101020; KR 20100122961 A 20101123; US 2005050996 A1 20050310; US 2005126343 A1 20050616; WO 03012152 A1 20030213; WO 03012153 A1 20030213; ZA 200400955 B 20050426; ZA 200400957 B 20050426

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