

Title (en)  
METHOD OF PRODUCTION OF A COAL BRIQUETTE

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINEM KOHLEBRIKETT

Title (fr)  
PROCÉDÉ DE PRODUCTION DE BRIQUETTE DE CHARBON

Publication  
**EP 2937407 A1 20151028 (EN)**

Application  
**EP 13864684 A 20131212**

Priority  
• KR 20120151355 A 20121221  
• KR 2013011549 W 20131212

Abstract (en)  
A method for manufacturing coal briquettes charged into a dome part of the melter-gasifier to be rapidly heated in an apparatus for manufacturing molten iron including a melter-gasifier into which reduced irons are charged, and a reducing furnace connected to the melter-gasifier and providing the reduced iron. The method for manufacturing coal briquettes include i) providing fine coal; ii) preparing a mixture by mixing a hardening agent of 1 to 5 parts by weight and a binder of 5 to 15 parts by weight with respect to fine coals of 100 parts by weight; and iii) molding the mixture. In the providing of the fine coal, the fine coals include low-grade coal of more than 0 and 50wt% or less and remaining carbonaceous materials. The low-grade coal has a volatile matter (on a dry basis) of 25wt% to 40wt% and a free swelling index of more than 0 and less than 3.

IPC 8 full level  
**C10L 5/10** (2006.01); **C10L 5/36** (2006.01); **C10L 9/10** (2006.01); **C10L 10/00** (2006.01); **C21B 13/00** (2006.01); **C21B 13/02** (2006.01); **C21B 13/14** (2006.01)

CPC (source: EP KR)  
**C10L 5/10** (2013.01 - EP KR); **C10L 5/361** (2013.01 - EP); **C10L 9/10** (2013.01 - EP); **C10L 10/00** (2013.01 - KR); **C21B 13/002** (2013.01 - EP); **C21B 13/0066** (2013.01 - EP); **C21B 13/14** (2013.01 - EP); **C10L 2290/04** (2013.01 - EP); **C10L 2290/24** (2013.01 - EP); **C10L 2290/28** (2013.01 - EP); **C10L 2290/32** (2013.01 - EP); **C21B 13/0033** (2013.01 - EP); **C21B 13/02** (2013.01 - EP)

Cited by  
KR20210079547A; US11486022B2; RU2673794C1; EP3348627A4; RU2653509C1; RU2653509C9; WO2023039651A1

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Designated extension state (EPC)  
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