

Title (en)
METHOD FOR PRODUCING PULVERIZED COAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON PULVERISIERTER KOHLE

Title (fr)
PROCÉDÉ DE PRODUCTION DE CHARBON PULVÉRISÉ

Publication
EP 2300562 B1 20150225 (EN)

Application
EP 09757534 A 20090602

Priority
• EP 2009056763 W 20090602
• LU 91451 A 20080602

Abstract (en)
[origin: WO2009147153A1] Method for producing pulverized coal, the method comprising the steps of heating a drying gas, preferably an inert gas, in a hot gas generator (26) to a predefined temperature; feeding the heated drying gas into a pulverizer (20); introducing raw coal into the pulverizer (20), the pulverizer (20) grinding the raw coal into pulverized coal; collecting a mixture of drying gas and pulverized coal from the pulverizer (20) and feeding the mixture to a filter (34), the filter (34) separating the dried pulverized coal from the drying gas; collecting the dried pulverized coal for further use and feeding the drying gas from the filter (34) to a recirculation line (38) for returning at least part of the drying gas to the hot gas generator (26); and determining an oxygen level in the drying gas, preferably in the recirculation line (38), and comparing the determined oxygen level to a predetermined oxygen level threshold. According to a preferred embodiment of the invention, if the determined oxygen level is higher than a predetermined oxygen threshold, water is injected into the heated drying gas before it is fed into the pulverizer (20), the volume of water injected being calculated so as to reduce the oxygen level below the predetermined oxygen level threshold.

IPC 8 full level
B02C 23/04 (2006.01); **B02C 23/34** (2006.01); **C10B 57/10** (2006.01); **C21B 5/00** (2006.01); **F26B 17/10** (2006.01); **F26B 21/06** (2006.01)

CPC (source: EP US)
B02C 23/04 (2013.01 - EP US); **B02C 23/34** (2013.01 - EP US); **C10B 57/10** (2013.01 - EP US); **C21B 5/003** (2013.01 - EP US); **F26B 17/103** (2013.01 - EP US); **F26B 21/06** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009147153 A1 20091210; AU 2009253965 A1 20091210; AU 2009253965 B2 20141204; BR PI0913362 A2 20151124; BR PI0913362 B1 20180123; CA 2725276 A1 20091210; CA 2725276 C 20160209; CN 102046758 A 20110504; EP 2300562 A1 20110330; EP 2300562 B1 20150225; JP 2011522916 A 20110804; JP 5758800 B2 20150805; KR 101590920 B1 20160202; KR 20110016463 A 20110217; LU 91451 B1 20091203; RU 2010154520 A 20120720; RU 2502780 C2 20131227; TW 201009064 A 20100301; TW I475105 B 20150301; UA 104863 C2 20140325; US 2011192079 A1 20110811

DOCDB simple family (application)
EP 2009056763 W 20090602; AU 2009253965 A 20090602; BR PI0913362 A 20090602; CA 2725276 A 20090602; CN 200980119847 A 20090602; EP 09757534 A 20090602; JP 2011511036 A 20090602; KR 20107029782 A 20090602; LU 91451 A 20080602; RU 2010154520 A 20090602; TW 98118117 A 20090602; UA A201015594 A 20090602; US 99492709 A 20090602