

Title (en)
PROCESS AND APPARATUS FOR DRYING AND PREHEATING MOIST COAL

Publication
EP 0030376 B1 19831005 (DE)

Application
EP 80107653 A 19801205

Priority
DE 2949720 A 19791211

Abstract (en)
[origin: EP0030376A2] 1. Process for drying and heating moist coal, in particular fine coal and fines, in which heat is supplied to the coal to be dried via an inert gas circulation which can be heated by means of a heat exchanger, and the dried and heated coal is protected from the access of oxygen by a part circulation of the inert gas, characterised in that, during the start-up procedure before moist coal is introduced, the air present in the unit is circulated and, during this, heated up via a heat exchanger, that those parts of the unit which come into contact with the circulation are warmed by means of the heated-up air circulation to a temperature which avoids the condensation of water vapour, before water is sprayed, or steam introduced, into the heated-up air circulation and the air circulation is enriched in steam, the proportion of oxygen being lowered to below 2% by volume and the inert gas circulation thus being formed, before moist coal is introduced in co-current into the inert gas circulation for drying.

IPC 1-7
C10B 57/10; **F26B 21/04**

IPC 8 full level
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CPC (source: EP)
C10B 57/10 (2013.01); **F26B 11/028** (2013.01); **F26B 21/14** (2013.01)

Cited by
CN100443840C; CN102564067A; CN106871631A; EP0047509A3; CN102042743A; LU91451B1; AU2009253965B2; EP1964909A3; CN112728925A; US10059885B2; WO2014000861A1; WO2009147153A1; EP1964909A2

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