

Title (en)
PROCESS FOR MANUFACTURING LIGNITE-CONTAINING PELLETS FOR GASIFICATION

Publication
EP 0182403 A3 19870121 (DE)

Application
EP 85201685 A 19851015

Priority
DE 3441756 A 19841115

Abstract (en)
[origin: EP0182403A2] The gasification is carried out in the pressure range from 5 to 150 bar with oxygen, steam and/or carbon dioxide as gasifying agent, the pellets being added in the reactor on top of a solids bed which moves slowly downwards and into which the gasifying agent is introduced from below, the mineral constituents being taken off at the bottom as solid ash or molten slag. To produce the pellets, a mixture is first prepared which contains at least 80% by weight of fine-grained hard lignite of a grain size of at most 1 mm. The mixture to be pelleted has a water and moisture content from 10 to 25% by weight and a bentonite content from 4 to 10% by weight. With addition of water as pelleting fluid, moist pellets are formed from the mixture, which have a water and moisture content from 25 to 35% by weight. The moist pellets are dried in a steam-rich atmosphere, the core of the pellets being heated to at least 90 DEG C before the pellets leave one tenth or more of their water content. The dried pellets have a water and moisture content of at most 4% by weight. The moist pellets can be dried, for example, in a sand bed. <IMAGE>

IPC 1-7
C10L 5/02; **C10J 3/02**

IPC 8 full level
C10J 3/02 (2006.01); **C10L 5/02** (2006.01)

CPC (source: EP)
C10J 3/02 (2013.01); **C10J 3/26** (2013.01); **C10J 3/78** (2013.01); **C10L 5/02** (2013.01); **C10J 2300/0906** (2013.01); **C10J 2300/0909** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0969** (2013.01); **C10J 2300/0976** (2013.01)

Citation (search report)
• [AD] EP 0010792 A1 19800514 - METALLGESELLSCHAFT AG [DE]
• [A] EP 0011887 A1 19800611 - METALLGESELLSCHAFT AG [DE]
• [A] DE 2227812 A1 19731220 - RHEINISCHE BRAUNKOHLN AG
• [A] GB 2061317 A 19810513 - METALLGESELLSCHAFT AG

Designated contracting state (EPC)
AT BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0182403 A2 19860528; **EP 0182403 A3 19870121**; AU 4992485 A 19860522; AU 575218 B2 19880721; DE 3441756 A1 19860515; JP S61171795 A 19860802

DOCDB simple family (application)
EP 85201685 A 19851015; AU 4992485 A 19851114; DE 3441756 A 19841115; JP 25647885 A 19851115