

Title (en)

Process of and apparatus for gasifying coals.

Title (de)

Verfahren und Vorrichtung zum Vergasen von Kohle.

Title (fr)

Procédé et appareil pour gazéifier des charbons.

Publication

EP 0050863 A1 19820505 (EN)

Application

EP 81108825 A 19811023

Priority

- JP 2431581 A 19810223
- JP 15116280 U 19801024

Abstract (en)

A process of, and an apparatus for, gasifying coals through a dry distillation reaction, gasifying reaction and combustion reaction of coal particles within a coal gasifier including a dry distillation gasifying reaction section (2) at the upper side and a combustion gasifying section (3) at the lower side, are disclosed in which systems for supplying coal particles (5A, 6A) are provided at the dry distillation gasifying reaction (2) and combustion gasifying sections (3), respectively, and the amount of the coal particles supplied to the combustion gasifying section (3) is adjusted in response to temperature conditions within the combustion gasifying section (3).

IPC 1-7

C10J 3/46; **C10J 3/48**

IPC 8 full level

C10J 3/46 (2006.01); **C10J 3/48** (2006.01)

CPC (source: EP)

C10J 3/487 (2013.01); **C10J 3/56** (2013.01); **C10J 3/723** (2013.01); **C10J 3/845** (2013.01); **C10J 2300/0906** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0956** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0976** (2013.01)

Citation (search report)

- US 4158552 A 19790619 - BLASKOWSKI HENRY J, et al
- US 3782913 A 19740101 - DONATH E
- US 4168956 A 19790925 - BLASKOWSKI HENRY J
- FR 2400550 A1 19790316 - COMBUSTION ENG [US]
- FR 2401982 A1 19790330 - COMBUSTION ENG [US]
- DE 1017314 B 19571010 - BASF AG
- US 2644745 A 19530707 - HEMMINGER CHARLES E
- US 2801158 A 19570730 - GROSSMAN PAUL R, et al
- US 2971830 A 19610214 - TOSHIO KAWAI, et al
- FR 2177089 A1 19731102 - BITUMINOUS COAL RESEARCH [US]

Cited by

EP0400740A1; EP0487157A1; FR2578263A1; GB2138841A; AU2011203614B2; DE3936732A1; EP0431266A1; EP0241866A3; US4806131A; EP0451265A4; EP0423401A1; EP1489046A4; US8696774B2; US9102882B2; US7883682B2; US8690973B2; WO2010096278A3; WO2011085088A3

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0050863 A1 19820505

DOCDB simple family (application)

EP 81108825 A 19811023