

Title (en)

An improved process for the pyrolysis of carbonous materials.

Title (de)

Verfahren zur Pyrolyse von kohlenstoffhaltigen Materialien.

Title (fr)

Procédé de pyrolyse de matériaux carbonés.

Publication

EP 0055600 A2 19820707 (EN)

Application

EP 81306071 A 19811223

Priority

US 22068480 A 19801229

Abstract (en)

Carbonous materials such as subbituminous coal, oil shale, lignite and peat are converted to liquid and gaseous products by (a) impregnating the material with one or more water soluble salts of iron and/or zinc, preferably the sulfate or chloride thereof, (b) treating, for example by raising the pH or with sodium carbonate, to precipitate the iron and/or zinc as oxide or a form which can be readily converted to oxide, and (c) pyrolyzing the treated material at a temperature from about 400 DEG C to 700 DEG C, and at short gas residence times and long solids residence times, in the presence of hydrogen.

IPC 1-7

C10G 1/06; **C10G 1/08**

IPC 8 full level

B01J 27/00 (2006.01); **C10G 1/06** (2006.01); **C10G 1/08** (2006.01); **C10J 3/72** (2006.01)

CPC (source: EP)

C10G 1/08 (2013.01)

Cited by

CN112156785A; EP0093501A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0055600 A2 19820707; **EP 0055600 A3 19830126**; AU 7903681 A 19820708; BR 8108406 A 19821013; CA 1164382 A 19840327; IL 64660 A0 19820331; JP S57133190 A 19820817; ZA 818969 B 19821124

DOCDB simple family (application)

EP 81306071 A 19811223; AU 7903681 A 19811224; BR 8108406 A 19811228; CA 389513 A 19811105; IL 6466081 A 19811228; JP 21007881 A 19811228; ZA 818969 A 19811229