

Title (en)
PROCESS AND INSTALLATION FOR SMOULDERING OIL SHALE

Publication
EP 0049324 B1 19840912 (DE)

Application
EP 81104562 A 19810613

Priority
DE 3023670 A 19800625

Abstract (en)
[origin: JO1113B1] The condensable parts are removed from the distillation gas of oil shale, a portion of the remaining amount of gas is removed and the rest is heated, e.g., by the combustion gas of the distillation residue and used without the addition of any more materials to distill oil shale. The installation for this consists of a distillation cyclone reactor, whose gas outlets are connected to an oil separator and whose tangential feed nozzles are connected by way of a blower and a heat exchanger to the oil separator.

IPC 1-7
C10G 1/02; **C10B 53/06**

IPC 8 full level
C10B 49/08 (2006.01); **C10B 53/06** (2006.01); **C10G 1/02** (2006.01)

CPC (source: EP US)
C10B 49/08 (2013.01 - EP US); **C10B 53/06** (2013.01 - EP US); **C10G 1/02** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 3023670 A1 19820114; **DE 3023670 C2 19821223**; AU 545951 B2 19850808; AU 7167081 A 19820107; BR 8103968 A 19820309; DE 3165997 D1 19841018; EP 0049324 A1 19820414; EP 0049324 B1 19840912; ES 503316 A0 19821001; ES 8207580 A1 19821001; JO 1113 B1 19820710; MA 19167 A1 19811231; US 4388173 A 19830614; YU 129481 A 19831231; YU 42719 B 19881231

DOCDB simple family (application)
DE 3023670 A 19800625; AU 7167081 A 19810612; BR 8103968 A 19810624; DE 3165997 T 19810613; EP 81104562 A 19810613; ES 503316 A 19810623; JO P19811113 A 19810616; MA 19376 A 19810601; US 27700181 A 19810624; YU 129481 A 19810519