

Title (en)
SLAGGER TAR INJECTION

Publication
EP 0089103 A3 19840509 (EN)

Application
EP 83300310 A 19830121

Priority
GB 8207243 A 19820312

Abstract (en)
[origin: EP0089103A2] The thermal efficiency of fixed bed ash-slugging coal gasifiers is improved by recycling by-product organic liquids including tar, oils and phenols to the gasifier. By choosing a suitable point of injection above the raceway within the fuel bed complete gasification of by-products is achieved, methane formation can be enhanced and thermal efficiency is increased. These benefits are obtained without significantly increasing oxygen consumption.

IPC 1-7
C10J 3/08

IPC 8 full level
C10J 3/02 (2006.01); **C10J 3/08** (2006.01)

CPC (source: EP)
C10J 3/08 (2013.01); **C10J 3/30** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0976** (2013.01); **C10J 2300/1807** (2013.01)

Citation (search report)

- [X] US 4153426 A 19790508 - WINTRELL REGINALD
- [X] DD 74071 A
- [A] GB 927810 A 19630606 - EXXON RESEARCH ENGINEERING CO
- [A] FR 2226458 A1 19741115 - NIPPON KOKAN KK [JP]

Cited by
GB2174983A; EP0148554A3; CN108546569A; EP0953627A1; GB2199339A; GB2199339B; EP0107471A2

Designated contracting state (EPC)
BE DE FR IT NL

DOCDB simple family (publication)
EP 0089103 A2 19830921; **EP 0089103 A3 19840509**; GB 2116580 A 19830928; GB 2116580 B 19850411; JP S58167685 A 19831003; JP S6260438 B2 19871216; ZA 83506 B 19840328

DOCDB simple family (application)
EP 83300310 A 19830121; GB 8207243 A 19820312; JP 3366683 A 19830301; ZA 83506 A 19830126