

Title (en)

PROCESS AND APPARATUS FOR COOLING A PARTIALLY OXIDISED GAS

Publication

EP 0379022 A3 19901010 (DE)

Application

EP 90100286 A 19900108

Priority

DE 3901601 A 19890120

Abstract (en)

[origin: EP0379022A2] This gas is obtained especially by partial oxidation of ballast-rich coal and/or other carbon carriers with a high content of inorganic accompanying materials at high temperatures in a reactor, a cooling fluid being introduced in the direction of flow of the gas for solidifying the inorganic accompanying materials carried over in the gas. It is provided here that the total quantity of the cooling fluid is mixed into the partial oxidation gas upstream of a constriction in the gas path in the direction of flow.

IPC 1-7

C10K 1/06

IPC 8 full level

C10J 3/84 (2006.01); **C10K 1/04** (2006.01); **C10K 1/06** (2006.01); **F28C 3/02** (2006.01)

CPC (source: EP)

C10K 1/06 (2013.01)

Citation (search report)

- [XPL] DE 3816340 A1 19891123 - KRUPP KOPPERS GMBH [DE]
- [A] DE 2526922 A1 19760102 - SHELL INT RESEARCH

Cited by

WO2006117355A1; US8012436B2; US8444061B2; US8685119B2

Designated contracting state (EPC)

DE ES GB NL SE

DOCDB simple family (publication)

EP 0379022 A2 19900725; EP 0379022 A3 19901010; EP 0379022 B1 19911204; DD 299072 A5 19920326; DE 3901601 A1 19900726; DE 59000016 D1 19920116; ES 2028479 T3 19920701; PL 163293 B1 19940331; ZA 899500 B 19900926

DOCDB simple family (application)

EP 90100286 A 19900108; DD 33718590 A 19900118; DE 3901601 A 19890120; DE 59000016 T 19900108; ES 90100286 T 19900108; PL 28330390 A 19900115; ZA 899500 A 19891213