

Title (en)

METHOD OF ALTERING CONTAMINANTS IN A HIGH-TEMPERATURE, HIGH-PRESSURE RAW SYNTHESIS GAS STREAM

Publication

**EP 0349090 B1 19930331 (EN)**

Application

**EP 89201730 A 19890628**

Priority

US 21341888 A 19880630

Abstract (en)

[origin: EP0349090A1] A process for the partial combustion of finely divided coal or related fuels at high temperatures to make synthesis gas containing sticky particles of fly ash and vaporized contaminants which is mixed with a much cooler quench gas under conditions of turbulent flow in an elongated straight quenching chamber of selected dimensions so that the fly ash particles are no longer sticky and the vaporized contaminants have been condensed so as to pass readily with the gas through a downstream heat exchanger.

IPC 1-7

**C10J 3/48**; **C10J 3/84**

IPC 8 full level

**C10J 3/46** (2006.01); **C10J 3/48** (2006.01); **C10J 3/84** (2006.01); **C10K 1/04** (2006.01)

CPC (source: EP)

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Cited by

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