

Title (en)

Method of altering contaminants in a high-temperature, high-pressure raw synthesis gas stream.

Title (de)

Methode zur Umänderung der Schmutzstoffe in einem rohen Hochtemperatur-Hochdruck-Synthesegasstrom.

Title (fr)

Méthode pour altérer les contaminants dans un flux de gaz de synthèse brut à haute température et à haute pression.

Publication

EP 0349090 A1 19900103 (EN)

Application

EP 89201730 A 19890628

Priority

US 21341888 A 19880630

Abstract (en)

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

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CPC (source: EP)

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Citation (search report)

- [X] GB 2053262 A 19810204 - TEXACO DEVELOPMENT CORP
- [A] DE 2942804 A1 19810507 - JANICH GEB FISCHER ELSBETH [DE]

Cited by

AU2008306154B2; AU2008306154B9; EP0618282A3; CN103874749A; US8529792B2; WO2009043540A1

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