Title (en)

SYSTEM AND PROCESS FOR PRODUCING SYNTHESIS GAS

Title (de)

ANLAGE UND VERFAHREN ZUR SYNTHESEGASHERSTELLUNG

Title (fr)

INSTALLATION ET PROCÉDÉ DE PRODUCTION DE GAZ DE SYNTHÈSE

Publication

EP 2326701 A1 20110601 (DE)

Application

EP 09777885 A 20090814

Priority

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Abstract (en)

[origin: WO2010028732A1] The invention relates to a system for producing synthesis gas, comprising a reactor and a gas cooler/purifier which is fluid connection with said reactor. The aim of the invention is to establish a connection, as compact as possible, between the reactor and the gas cooler/purifier, thermal expansions occurring at different temperatures being detected. Said aim is achieved by the fact that the connection between the reactor (1) and the gas cooler/purifier (7) is formed by a horizontal connection piece (5) comprising a throttle element (6) which is designed as a Venturi element (6).

IPC 8 full level

C10J 3/48 (2006.01)

CPC (source: EP KR US)

B01D 47/14 (2013.01 - KR); **B01D 53/14** (2013.01 - KR); **C10J 3/48** (2013.01 - KR); **C10J 3/485** (2013.01 - EP US); **C10J 3/84** (2013.01 - EP KR US); C10J 2200/09 (2013.01 - EP US); C10J 2200/152 (2013.01 - EP US); C10J 2300/093 (2013.01 - EP US); C10J 2300/1846 (2013.01 - EP US)

Citation (search report)

See references of WO 2010028732A1

Citation (examination)

US 4610697 A 19860909 - DARLING SCOTT L [US], et al

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