Title (en)

PROCESS AND PLANT FOR SUPPLYING A REACTOR FOR GENERATING CRUDE SYNTHESIS GAS

Title (de)

VERFAHREN UND ANLAGE ZUR VERSORGUNG EINES REAKTORS ZUR ERZEUGUNG VON ROHSYNTHESEGAS

Title (fr)

PROCESSUS ET INSTALLATION POUR ALIMENTER UN RÉACTEUR SERVANT À PRODUIRE UN GAZ DE SYNTHÈSE BRUT

Publication

EP 2364348 A2 20110914 (DE)

Application

EP 09763847 A 20091120

Priority

- EP 2009008267 W 20091120
- DE 102008060893 A 20081209

Abstract (en)

[origin: CA2746170A1] By means of a process for supplying a reactor (32) for generating crude synthesis gas with fuel (3), the fuel supply to a pressurized gasification plant according to the line should be configured in such a manner that the nitrogen input into the crude gas is minimized or completely avoided. This is achieved by using a gas predominantly consisting of CO2 (more than 95 vol% CO2 with admixtures such as H2, CO, N2, hydrocarbons or the like) - for inertizing and loosening the fuel in the storage vessel (2), - for loosening and fluidizing the contents of the lock vessel (5), - as lock gas from the lock vessels (5), - for loosening and fluidizing in the storage vessel (29) and also - for feeding the fuel between the plant components and from the storage vessel (25) to the gasification reactor (32).

IPC 8 full level

C10J 3/50 (2006.01); **C10J 3/78** (2006.01); **G06F 21/60** (2013.01)

CPC (source: EP KR US)

C10J 3/46 (2013.01 - KR); **C10J 3/50** (2013.01 - EP US); **C10J 3/72** (2013.01 - KR); **C10J 3/78** (2013.01 - EP US); **G06F 21/606** (2013.01 - US); **G06F 21/72** (2013.01 - US); **G06Q 20/3823** (2013.01 - US); **G06Q 20/3829** (2013.01 - US); **G07F 19/20** (2013.01 - US); **H04L 9/0861** (2013.01 - US); C10J 2200/156 (2013.01 - EP US); C10J 2300/0969 (2013.01 - EP US)

Citation (search report)

See references of WO 2010066334A2

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