Title (en)

CIRCULATION OF PROCESS WATERS IN ENTRAINED-BED GASIFICATION UNDER PROCESS PRESSURE WITH A PRESSURE FILTRATION UNIT

Title (de)

KREISLAUFFÜHRUNG VON PROZESSWÄSSERN BEI DER FLUGSTROMVERGASUNG UNTER VERFAHRENSDRUCK MIT DRUCKFILTRATIONSEINHEIT

Title (fr)

RECYCLAGE DES EAUX DE TRAITEMENT LORS DE LA GAZÉIFICATION EN LIT ENTRAÎNÉ À LA PRESSION DE TRAITEMENT AVEC UNITÉ DE FILTRATION SOUS PRESSION

Publication

EP 2591078 A1 20130515 (DE)

Application

EP 11752147 A 20110816

Priority

• DE 102010040492 A 20100909
• EP 2011064108 W 20110816

Abstract (en)

[origin: WO2012031860A1] An apparatus and a method for circulating process waters from plants for the dust-pressure or fluidized-bed gasification of solid and liquid fuels, wherein the process waters are freed of solids or reduced in their solids content by a pressure filtration unit under process pressure and returned to the consumers, such as raw-gas quenching and scrubbing processes. The solution according to the invention saves the effort required for making good wear on the expansion valves. Reducing the amount of degassing vapours is accompanied by a corresponding reduction in the effort required for handling such vapours. There is no longer any expenditure of energy for raising the pressure of the circulated water to process pressure.

IPC 8 full level

C10J 3/52 (2006.01)

CPC (source: EP US)

C02F 1/001 (2013.01 - US); **C02F 1/004** (2013.01 - EP US); **C10J 3/466** (2013.01 - EP US); C02F 2103/18 (2013.01 - EP US); C02F 2209/06 (2013.01 - EP US); C02F 2303/16 (2013.01 - EP US); C10J 2300/169 (2013.01 - EP US); C10J 2300/1807 (2013.01 - EP US)

Citation (search report)

See references of WO 2012031860A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010040492 A1 20120315; CN 103080280 A 20130501; EP 2591078 A1 20130515; US 2013168333 A1 20130704; WO 2012031860 A1 20120315

DOCDB simple family (application)

DE 102010040492 A 20100909; CN 201180043420 A 20110816; EP 11752147 A 20110816; EP 2011064108 W 20110816; US 201113821048 A 20110816