

Title (en)  
METHOD FOR REMOVING ACID COMPONENTS AT HIGH TEMPERATURE IN GASIFICATION POWER GENERATION SYSTEM, AND DEVICE THEREFOR

Title (de)  
VERFAHREN ZUR ENTFERNUNG VON SAUREN KOMPONENTEN BEI HOHER TEMPERATUR IN VERGASUNGSSTROMERZEUGUNGSSYSTEM UND VORRICHTUNG DAFÜR

Title (fr)  
PROCÉDÉ D'ÉLIMINATION À HAUTE TEMPÉRATURE DE COMPOSANTS ACIDES DANS UN SYSTÈME DE GÉNÉRATION D'ÉNERGIE PAR GAZÉIFICATION, ET DISPOSITIF ASSOCIÉ

Publication  
**EP 3543318 A4 20200603 (EN)**

Application  
**EP 17872759 A 20170907**

Priority  
• JP 2016224971 A 20161118  
• JP 2017032202 W 20170907

Abstract (en)  
[origin: EP3543318A1] After a gasification step but before a cyclone treatment step, a cyclone upstream additive having desalination and desulfurization functions is supplied to a gasified gas using a gas coming out of a power generation step after recovering heat as an additive carrier gas, a COabsorbent used in a COabsorption and reforming step is allowed to absorb CO in a gas temperature range of 450 to 700°C, and when the amount of absorbed CO has reached saturation, the flow of oxygen or air for increasing the temperature of a reforming catalyst layer is switched immediately upstream of a COabsorbent-filled layer, and the temperature of the absorbent-filled layer is increased within a temperature range of 800 to 950°C to separate CO from the absorbent.

IPC 8 full level  
**C10K 1/20** (2006.01); **C10J 3/46** (2006.01); **C10K 1/02** (2006.01); **C10K 1/12** (2006.01); **C10K 1/26** (2006.01); **C10K 1/28** (2006.01); **C10K 3/02** (2006.01)

CPC (source: EP)  
**C10J 3/46** (2013.01); **C10K 1/024** (2013.01); **C10K 1/026** (2013.01); **C10K 1/12** (2013.01); **C10K 1/20** (2013.01); **C10K 1/26** (2013.01); **C10K 1/28** (2013.01); **C10K 3/023** (2013.01)

Citation (search report)  
• [A] US 2013247464 A1 20130926 - ISHII TORU [JP]  
• [A] EP 1136542 A1 20010926 - EBARA CORP [JP]  
• [A] KR 101398191 B1 20140527 - DAEWOO ENG & CONSTR CO LTD [KR]  
• [A] US 2010301273 A1 20101202 - BLASIAK WLODZIMIERZ [SE], et al  
• See references of WO 2018092391A1

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DOCDB simple family (publication)  
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