

Title (en)  
SALT SEPARATOR AND METHOD FOR PRODUCING A METHANE-CONTAINING GAS MIXTURE FROM BIOMASS BY USING A SALT SEPARATOR

Title (de)  
SALZABSCHIEDER UND VERFAHREN ZUR ERZEUGUNG EINES METHANHALTIGEN GASGEMISCHES AUS BIOMASSE UNTER EINSATZ EINES SALZABSCHIEDERS

Title (fr)  
SÉPARATEUR DE SELS ET PROCÉDÉ DE PRODUCTION D'UN MÉLANGE GAZEUX CONTENANT DU MÉTHANE À PARTIR DE BIOMASSE EN UTILISANT UN SÉPARATEUR DE SELS

Publication  
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Application  
**EP 15707923 A 20150302**

Priority  
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Abstract (en)  
[origin: CA2942430A1] According to the invention, a salt separator (2) for separating salts and/or solid materials from a pumpable aqueous fluid mixture under process conditions, which preferably lie substantially in the range of the critical point for the fluid mixture, is disclosed, wherein the salt separator comprises the following components: a) a reaction zone in the form of a cavity (6) for transforming the pumpable aqueous fluid mixture into a raw mixture for further processing, e.g. a methanation reaction; b) a feed opening (8) for the pumpable aqueous fluid mixture to the cavity (6), wherein the feed opening (8) is realized in a rising pipe (10) that protrudes into the cavity (6); c) a first extraction opening (12) for the raw mixture freed of salts and/or solid materials, wherein the first extraction opening (12) is arranged in the upper region of the cavity (6); and d) a second extraction opening (16) for a brine comprising the salt and/or the solid materials, wherein the second extraction opening (16) is arranged in the lower region of the cavity (6) and is located lower down than the feed opening (8).

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Citation (search report)  
See references of WO 2015135785A1

Citation (examination)  
US 2013126442 A1 20130523 - BAKAS STEVE T [US], et al

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